

DSX rack and panel series are multipin rectangular connectors used to electrically interface avionics equipment to equipment rack. Usually the plug is installed on the equipment rack and the receptacle on the avionics box. The mated locking mechanism is provided for by the equipment and cabinet and is not a part of the connector pair.

These connectors are widely used in applications such as :

- Commercial / military aircraft and helicopters,
- Radar systems,
- Power circuits,
- In-flight electronic instrumentation,
- Flight simulators, etc.....

The following versions are offered :

DSX - MIL-C-81659B : connectors conforming to MIL-C-81659B including connectors listed on the QPL81659

DSX - ARINC 404 shell type B : connectors conforming to ARINC 404 shell type B - polarized shells

DSX - ARINC 404 shell type A : connectors conforming to ARINC 404 shell type A - single shell (without polarization)

DSX - F : connectors for front release front removable contacts (receptacle only)

DSX - DATA BUS : connectors for interconnection of multiplexed digital links

DSX EMI/RFI : shielded connectors

DSX - MIL-C-81659B

These connectors fully conform to MIL-C-81659B specification and are listed on the associated Qualified Product List. They are available in four shell sizes (1, 2, 3 and 4) which can respectively accept 1, 2, 3 and 4 inserts. Inserts are offered in various contact arrangements accommodating rear release rear removable signal (size 22), power (sizes 20HD, 16, 12 and 5), coaxial (sizes 1, 3, 5, 7, 9 and 15), twinax (sizes 9 and 5), triax (sizes 5 and 9) contacts in crimp, wire wrap or PC tail termination. Fiber optic contacts are also offered. Both environmental and non environmental connectors are available.

Mismatching is prevented by a polarizing system which provides 216 polarizing positions. For MIL part numbers, applicable polarizing positions range from 00 through 99 only.

DSX - ARINC 404 shell type B

These connectors are the commercial version. Compare to the military version :

- They use both size 20HD and size 20 contacts.
- They are non environmental. Inserts are fitted with a rubber separator on their wiring rear face which does not provide sealing but wire protection.
- Removable size 5 and 9 coaxial contacts are not interchangeable with those of the military type.
- Insert retention plate is gold anodized instead of blue anodized on the military version.

DSX - ARINC 404 shell type A

DSX - ARINC 404 shell type A connectors are available in shell size 1 only. They accommodate ARINC 404 shell type B inserts ; only one insert can be installed in the connector shell. They have no polarizing system, mismatching is prevented by keystone shaped shells. DSX ARINC 404 shell type A size 1 connectors cannot be fitted with any backshell.

DSX - F

DSX - F receptacle connectors are available in four shell sizes (1, 2, 3 and 4) and are designed to be fitted with front release front removable contacts offered in pc tail and wire wrap termination. Inserts are offered fitted or not with an interfacial seal (in both cases they are not fitted with a separator) and are available in the following contact arrangements : 106, 67, 57, 45, 40, 33C4, 26.

DSX - F connectors are fully intermateable with connectors of the ARINC 404 shell type B and MIL-C-81659 types.

DSX - DATA BUS

These connectors have been designed to ensure the interconnection of multiplexed digital links used in military equipments.

DSX - EMI / RFI

In response to the continuing development of electronic systems used in ever harsher environments, these connectors have been designed to improve the shielding effectiveness against electromagnetic and radiofrequency interferences (EMI/RFI) as well as electromagnetic pulses (EMP).

DSX N 4 P S 40 S S8S S26S S45P 00 01

Series _____

Class _____

N : non environmental (without grommet and interfacial seal)
 E : environmental (with grommet and interfacial seal)
 T : connector with interfacial seal on insert with protruding contacts only

Shell size _____

1 : one gang shell
 2 : two gang shell
 3 : three gang shell
 4 : four gang shell

Shell type _____

R : receptacle
 P : plug

Termination style _____

X : without contacts
 S : crimp (see note 1)
 V : wire wrap 2 levels
 W : wire wrap 3 levels } (see note 4)
 Y : PC tail

Gang A

Contact arrangement _____

(see note 2)
 see available contact arrangements on pages 8 to 10.

Contact type _____

S : socket
 P : pin

Gang B _____

Gang C _____

Gang D _____

Modification code _____

(see pages 18 to 20)

Polarization code _____

(see note 3 and pages 21 to 23)

Notes :

- 1 If you need to use reduced crimp barrel, thermocouple or fiber optic contacts , use code X and order contacts separately.
- 2 For MC2, MC3 and C8 contact arrangements which include coax contacts, use termination code X and order coax contacts separately.
- 3 Without polarization code the connector is delivered with the polarizing system unassembled
 Polarization code 00 : the connector is delivered without polarizing system
 Polarization code from 01 to 216 : the connector is delivered with the polarization hardware assembled as defined by code.
 Polarization codes for connectors qualified to MIL-C-81659B are ranging from 00 to 99 only.
- 4 PC tail and wire wrap contacts are delivered installed.
 For 67, 32C4 and 33C4 contact arrangements, size 16 contacts are delivered not installed and in crimp termination.

Very Important note : If you want to get connectors marked with the military part number (i.e. M81659/66A2-0083) you must order by using the military part number. RADIALL part numbers qualified to MIL-C-81659B versus military part numbers are listed on pages 31 to 34.

MATERIALS

DESCRIPTION	MATERIAL	PLATING
Shell	Aluminum alloy	Cadmium yellow chromate or electroless nickel
Insert	Thermosetting resin	
Metallic insert	Aluminum alloy	Cadmium clear chromate or electroless nickel
Interfacial seal & grommet	silicone rubber	
Retention clip	Copper alloy	
Contact	Copper alloy	Gold over nickel underplate.
Insert retention plate	Aluminum alloy	Blue anodized.
Polarizing posts	Stainless steel	
Polarizing keys	Zinc alloy	Cadmium yellow chromate.
Polarizing keys retention plate	Aluminum alloy	Cadmium yellow chromate or electroless nickel blue painted.
Screws,washers,clinch-nuts	Corrosion resistant steel	

ELECTRICAL CHARACTERISTICS

CONTACT SIZE	AWG	CROSS SECTION (mm ²)	MIN OUTSIDE DIA. Inches (mm)	MAX OUTSIDE DIA. Inches (mm)	MAX CURRENT (A)
22	22	0.38	.030 (0.76)	.055 (1.4)	5
	24	0.21			3
	26	0.14			2
20HD	20	0.60	.039 (1)	.071 (1.8)	7.5
	22	0.38			5
	24	0.21			3
16	16	1.34	.067 (1.7)	.102 (2.6)	13
	18	0.93			10
	20	0.60			7.5
12	12	3.18	.094 (2.4)	.134 (3.4)	23
	14	1.91			17
	16	1.34			13
For cavity 5	8	9.00	.134 (3.4)	.255 (6.48)	46
	10	5.00			33
	12	3.18			23
	14	1.91			17

Magnetic permeability : < 2
 Insulation resistance : >5000 MI
 Dielectric withstanding voltage : See contact arrangements on pages 8 to 10.
 Contact resistance : According to requirements of MIL-C-39029D

Coax contacts electrical characteristics

Nominal impedance : 50 I
 VSWR
 - sizes 5, 7, 9 : 1.3 from DC to 1500 MHz
 - sizes 1 and 3 : 1.3 from DC to 5000 MHz

MECHANICAL AND ENVIRONMENTAL

Temperature range : -65°C/+125°C
 Temperature life : 1000 hours at 125°C
 Salt spray : MIL-STD-1344A method 1001.1 test condition B (48 hours)
 Altitude moisture injection : Insulation resistance > 100 M I altitude 50000 feet
 Fluid resistance : resistance to 20 hours immersion in fluids MIL-H-5606 & MIL-L-23699
 Durability : 500 mating and unmating cycles
 Vibration : MIL-STD-1344A method 2005 test condition IV (20g - 10-2000Hz)
 Shock : MIL-STD-1344A method 2004 (50g - 11ms - half sine)
 Mating force : <45 pounds (200 N) per insert
 Insert retention force : > 120 lbs (534N) in each direction
 Contact retention force : max axial displacement = .012 inches (0,3mm)

CONTACT SIZE	22	20HD	16	12
axial load lbs (N)	15 (66N)	20 (89N)	25 (111N)	30 (133.5N)

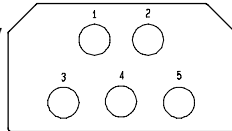
PIN INSERT MATING SIDE SHOWN

C5*

45

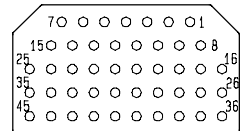
Number of contacts	Contact size	Location
5	5 (power)	1 to 5

DWV = 3500 V - 60Hz
This insert is available in class N only



Number of contacts	Contact size	Location
45	20HD	1 to 45

DWV = 1500 V - 60Hz

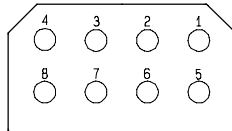


8*

57

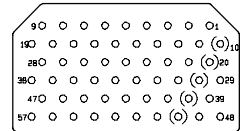
Number of contacts	Contact size	Location
8	12	1 to 8

DWV = 1500 V - 60Hz



Number of contacts	Contact size	Location
57	20HD	1 to 57

DWV = 1500 V - 60Hz

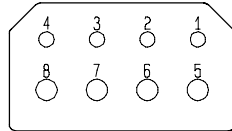


D8

67

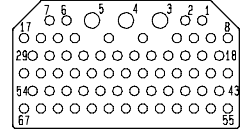
Number of contacts	Contact size	Location
4	16	1 to 4
4	12	5 to 8

DWV = 1500 V - 60Hz



Number of contacts	Contact size	Location
64	20HD	1, 2 & 6 to 67
3	16	3, 4 & 5

DWV = 1000 V - 60Hz

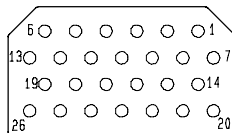


26

106

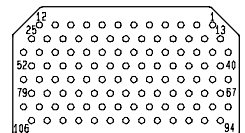
Number of contacts	Contact size	Location
26	16	1 to 26

DWV = 1500 V - 60Hz



Number of contacts	Contact size	Location
106	22	1 to 106

DWV = 1000 V - 60Hz

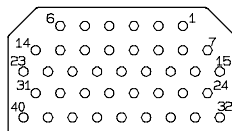


40

40C1

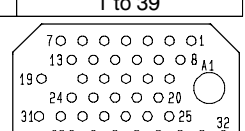
Number of contacts	Contact size	Location
40	20HD	1 to 40

DWV = 1500 V - 60Hz



Number of contacts	Contact size	Location
1	5 (coax)	A1
39	20HD	1 to 39

DWV = 1500 V - 60Hz



Contact arrangements names followed by "*" are not referred to by MS3157 and MIL-C-81659B.

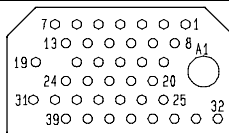
PIN INSERT MATING SIDE SHOWN

40T1*

33C4

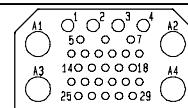
Number of contacts	Contact size	Location
1	5 (Coax)	A1
39	20HD	1 to 39

DWV = 1500 V - 60Hz
Size 5 contact cavity grounded to the shell



Number of contacts	Contact size	Location
4	5 (Coax)	A1 to A4
4	16	1 to 4
25	20HD	5 to 29

DWV = 1000 V - 60Hz

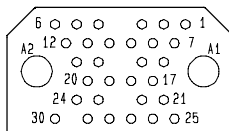


32C2

33T4*

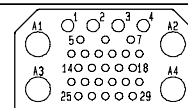
Number of contacts	Contact size	Location
2	5 (Coax)	A1 & A2
30	20HD	1 to 30

DWV = 1000 V - 60Hz



Number of contacts	Contact size	Location
4	5 (Coax)	A1 to A4
4	16	1 to 4
25	20 HD	5 to 29

DWV = 1000 V - 60Hz
Size 5 contact cavities grounded to the shell

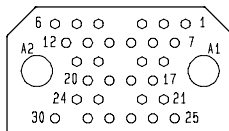


32T2*

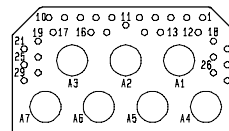
36C7*

Number of contacts	Contact size	Location
2	5 (Coax)	A1 & A2
30	20HD	1 to 30

DWV = 1000 V - 60Hz
Size 5 contact cavities grounded to the shell



Number of contacts	Contact size	Location
7	5 (Coax)	A1 to A7
29	22	1 to 29

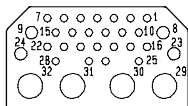


32C4

36T7*

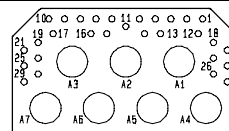
Number of contacts	Contact size	Location
4	9 (Coax)	29 to 32
4	16	8, 9 & 23, 24
24	20HD	1 to 7 & 10 to 22 & 25 to 28

DWV = 1500 V - 60Hz



Number of contacts	Contact size	Location
7	5 (Coax)	A1 to A7
29	22	1 to 29

Size 5 contact cavities grounded to the shell

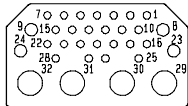


32T4*

MC2

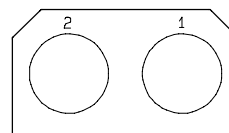
Number of contacts	Contact size	Location
4	9 (Coax)	29 to 32
4	16	8, 9 & 23, 24
24	20HD	1 to 7 & 10 to 22 & 25 to 28

DWV = 1500 V - 60Hz
Size 9 contact cavities grounded to the shell



Number of contacts	Contact size	Location
2	1	1, 2

This insert is metallic



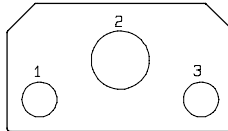
Contact arrangements names followed by "*" are not referred to by MS3157 and MIL-C-81659B.

PIN INSERT MATING SIDE SHOWN

MC3

Number of contacts	Contact size	Location
2	7 (Coax)	1 & 3
1	3 (Coax)	2

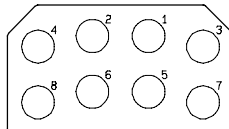
This insert is metallic



C8

Number of contacts	Contact size	Location
8	9 (Coax)	1 to 8

DWV = 1000 V - 60Hz

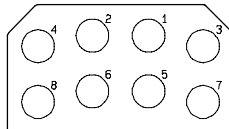


T8*

Number of contacts	Contact size	Location
8	9 (Coax)	1 to 8

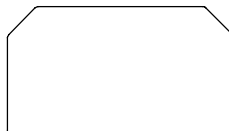
Size 9 contact cavities grounded to the shell

Note : available for pin contact only



00*

Number of contacts	Contact size	Location
0	/	/



SIGNAL AND POWER CRIMP CONTACTS SIZES 22, 20HD, 16, 12 & 5

CONTACT SIZE	WIRE				PIN RADIALL P/N (MIL P/N)	SOCKET RADIALL P/N (MIL P/N)	CRIMPING TOOL RADIALL P/N (MIL P/N)	POSITIONER RADIALL P/N (MIL P/N)	SELECTOR	INS/EXT TOOL RADIALL P/N (MIL P/N)
	AWG	cross section (mm ²)	wire outside dia. inch (mm)	striping length inch (mm)						
22	22	0.38	.055 (1.4)	.138 (3.5)	616200 (M39029/11-144)	616300 (M39029/12-148)	282281 (M22520/2-01)	282970 (M22520/2-23)	4	282885 (M81969/1-01)
	24	0.21							3	
	26	0.14							3	
22 reduced crimp barrel	28	0.093	.047 (1.2)	.138 (3.5)	616201	616301		282971 (M22520/2-08)	5	282886 (M81969/1-02)
	30	0.055							4	
20HD	20	0.60	.071 (1.8)	.157 (4.0)	616210 (M39029/11-145)	616310 (M39029/12-149)		282972 (M22520/1-02)	7	282546 (M81969/1-03)
	22	0.38					6			
	24	0.21					5			
20HD reduced crimp barrel	26	0.14	.049 (1.25)	.157 (4.0)	616211	616311	282579 (M22520/1-11)	6	282547 (M81969/28-02)	
	28	0.093						5		
	30	0.055						4		
16	16	1.34	.102 (2.6)	.236 (6.0)	616230 (M39029/11-146)	616330 (M39029/12-150)	282291 (M22520/1-01)	6	282946 (M81969/28-01)	
	18	0.93						5		
	20	0.60						4		
16 reduced crimp barrel	20	0.60	.071 (1.8)	.236 (6.0)	616231	616331	282579 (M22520/1-11)	5	282946 (M81969/28-01)	
	22	0.38						4		
	24	0.21						4		
12	12	3.18	.134 (3.4)	.236 (6.0)	616240 (M39029/11-147)	616340 (M39029/12-151)	282296 (DANIELS M300BT) see note 1	8	282946 (M81969/28-01)	
	14	1.91						7		
	16	1.34						6		
For cavity 5	12	3.18	.134 (3.4)	.315 (8.0)	616261	616361	282557	1	282946 (M81969/28-01)	
	14	1.91						1		
	10	5.0						5		
	8	9.0	(5.7)	(8.0)	616266	616366		8		

Note1 : DANIELS WA27-309-EP air pressure tool with crimp setting 5 can also be used. Crimp setting 5 is not adjustable and must be set by the factory.

THERMOCOUPLE CONTACTS SIZES 22 & 20HD MADE OF CHROMEL

CONTACT SIZE	WIRE				PIN	SOCKET	CRIMPING TOOL RADIALL P/N (MIL P/N)	POSITIONER RADIALL P/N (MIL P/N)	SELECTOR	INS/EXT TOOL RADIALL P/N (MIL P/N)
	AWG	cross section (mm ²)	wire outside dia. inch (mm)	striping length inch (mm)						
22	22	0.38	.055 (1.4)	.138 (3.5)	620280	620380	282281 (M22520/2-01)	282970 (M22520/2-23)	4	282885 (M81969/1-01)
	24	0.21							3	
	26	0.14							3	
20HD	20	0.60	.071 (1.8)	.157 (4.0)	620290	620390	282281 (M22520/2-01)	282971 (M22520/2-08)	7	282886 (M81969/1-02)
	22	0.38							6	
	24	0.21							5	

THERMOCOUPLE CONTACTS SIZES 22 & 20 HD MADE OF ALUMEL

CONTACT SIZE	WIRE				PIN	SOCKET	CRIMPING TOOL RADIALL P/N (MIL P/N)	POSITIONER RADIALL P/N (MIL P/N)	SELECTOR	INS/EXT TOOL RADIALL P/N (MIL P/N)
	AWG	cross section (mm ²)	wire outside dia. inch (mm)	striping length inch (mm)						
22	22	0.38	.055 (1.4)	.138 (3.5)	620281	620381	282281 (M22520/2-01)	282970 (M22520/2-23)	4	282885 (M81969/1-01)
	24	0.21							3	
	26	0.14							3	
20HD	20	0.60	.071 (1.8)	.157 (4.0)	620291	620391	282281 (M22520/2-01)	282971 (M22520/2-08)	7	282886 (M81969/1-02)
	22	0.38							6	
	24	0.21							5	

FIBER OPTIC TERMINI SIZES 16 & 12

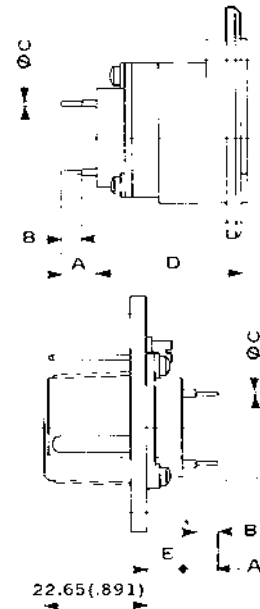
Fiber optic contacts are called Termini. Fiber optic termini are shown in the table below. Tooling used to connect the fiber optic cable to the termini is available. For more information, contact your nearest RADIALL representative.



CONTACT SIZE	VERSION	CABLE DIA.	FIBER SIZE	PIN	SOCKET	INS/EXT TOOL
16	CERAMIC	.059 (1.5)	50/125	F724005000	F724104000	282929/282892
			100/140	F724002000	F724101000	
	METAL	.071 (1.8)	HCS200	F724041000	F724140000	
			HCS400	F724045000	F724144000	
12		.098 (2.5)	HCS200/280	F724241200	F724341200	EXT 282 945

SIZES 22 & 20HD PC TAIL CONTACTS

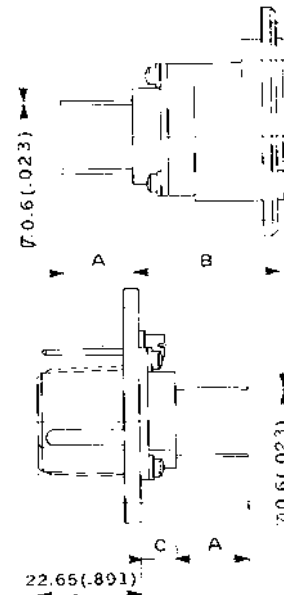
CONTACT SIZE	CONTACT ARRANGEMENT	PIN	SOCKET	EXTRAC-TION TOOL	DIMENSIONS						
					A	B	C dia	D	E		
22	106	/	616379	282890	.240/.209 (6.1/5.3)	.256 (6.5)	.023 (0.6)	.994/1.013 (25.25/25.75)	.061/.069 (1.55/1.75)		
			616303		.567/.535 (14.4/13.6)	.370 (9.4)					
	36C7 for pin contacts	616206*	616306*		.232/.263 (5.9/6.7)	.149 (3.8)		/	.293/.309 (7.85/7.44)		
			/		.032/.004 (0.82/0.10)			/	/		
	36C7 for socket con-tacts	/	616306		.157/.130 (4.00/3.30)	.370 (9.4)		1.122/1.108 (28.50/28.15)	/		
			616303		.461/.433 (11.72/11.00)			/	/		
20HD	40-45-57-32C2-32C4-40C1	616216*	/	282891	.259/.299 (6.6/7.6)	/	.031 (0.8)	1.23/1.25 (31.25/31.75)	.293/.305 (7.45/7.75)		
	67-33C4				.248/.287 (6.3/7.3)						
	40-45-57-32C2-32C4-40C1	616223	616323*		.138/.169 (3.5/4.3)					.126 (3.2)	.023 (0.6)
	67-33C4				.126/.157 (3.2/4)						



Connectors delivered in the "Y" termination style will be fitted with contacts marked by "*" (see above table). If you want to use another kind of pc tail contact, use termination style "x" when ordering the connector and order contacts separately.

SIZES 22 & 20HD WIRE WRAP CONTACTS

CONTACT SIZE	AWG	CONTACT ARRANGEMENT	PIN	SOCKET	INS. TOOL	DIMENSIONS		
						A	B	C
22	26 28 30	106	610203 (2 wrap levels)	610303 (2 wrap levels)	282948	.393/.433 (10/11)	.994/1.013 (25.25/25.75)	.061/.069 (1.55/1.75)
			610204 (3 wrap levels)	610304 (3 wrap levels)		.492/.531 (12.5/13.5)		
20HD	26 28 30	40-45-57 32C2-32C4-40C1	610214 (2 wrap levels)	610314 (2 wrap levels)		.405/.445 (10.3/11.3)	1.230/1.250 (31.25/31.75)	.293/.305 (7.45/7.75)
		67-33C4				.387/.431 (9.85/10.95)		



COAXIAL CRIMP CONTACTS SIZE 1

CONTACT SIZE	CONTACT ARRANGEMENT	CABLE	PIN	SOCKET	CENTER CONTACT			OUTER BODY			WIRING INSTR.	
					CRIMPING TOOL RADIALL P/N (MIL P/N)	POSITIONER RADIALL P/N (MIL P/N)	SEL.	CRIMPING TOOL RADIALL P/N (MIL P/N)	DIE RADIALL P/N (MIL P/N)	HEX.		
1	MC2	UT 141 RG 402	616005	/	solder contact						C1 page 58	
		RG 58 RG 141 KX 15	616006 right angle	/	solder contact			282293 (M22520/5-01)	282246 (M22520/5-05)	A	E page 59	
		RG 213 KX 4	/	616102001	282291 (M22520/1-01)	282997 (M22520/1-13)	8		282247 (M22520/5-61)	A	A1 page 56	
		RG 214 RG 225	/	616103001							A6 page 56	
		RG 142	616007 right angle	/	solder contact				282246 (M22520/5-05)	A	E page 59	
		RG 142 RG 223	/	616107001	282291 (M22520/1-01)	282997 (M22520/1-13)	7				A2 page 56	
		RG 174 KX 22	/	616100	solder contact						N page 64	
		RD 316	616004 right angle	/	solder contact						B	P page 65
		/	616009	/	SMA termination						NA	

For other cables, consult RADIALL

PART NUMBER	616004 - 616006 - 616007	616009 - 616100 - 616103001 616106 - 616102001	616003 - 616005 - 616107001
Dielectric withstanding voltage at sea level (V rms)	1000	1500	2500

COAXIAL CRIMP CONTACTS SIZE 3

CONTACT SIZE	CONTACT ARRANGEMENT	CABLE	PIN	SOCKET	CENTER CONTACT			OUTER BODY			WIRING INSTR.		
					CRIMPING TOOL RADIALL P/N (MIL P/N)	POSITIONER RADIALL P/N (MIL P/N)	SEL.	CRIMPING TOOL RADIALL P/N (MIL P/N)	DIE RADIALL P/N (MIL P/N)	HEX.			
3	MC3	RG 142 RG 223	616013	/	solder			282293 (M22520/5-01)	282246 (M22520/5-05)	A	A2 page 56		
		/	616113	282291 (M22520/1-01)	282997 (M22520/1-13)	7	B					R page 65	
		RG 316	616015 right angle							/	solder		
		UT 141 RG 402	616014	/	solder						C3 page 58		
		RG 214 RG 225	/	616111	282291 (M22520/1-01)	282997 (M22520/1-13)	8			282293 (M22520/5-01)	282247 (M22520/5-61)	A	A1 page 56
		RG 213 KX 4	/	616112									

For other cables, consult RADIALL

Dielectric withstanding voltage at sea level : 1500 V rms. Except 1000 V rms for 616015.

COAXIAL CRIMP CONTACTS SIZE 5

The following contacts have to be fitted with a sealing boot when used in DSX E connectors (see page 24). Coaxial cavities without any contact can be fitted with sealing plugs when used in DSX E connectors.

CONTACT SIZE	CONTACT ARRANGEMENT	CABLE	PIN	SOCKET	CENTER CONTACT			OUTER BODY			WIRING INSTR.							
					CRIMPING TOOL RADIALL P/N (MIL P/N)	POSITIONER RADIALL P/N (MIL P/N)	SEL.	CRIMPING TOOL RADIALL P/N (MIL P/N)	DIE RADIALL P/N (MIL P/N)	HEX.								
5	32C2 32T2 33C4 33T4 36C7 36T7 40C1 40T1	RG 58 KX 15	616120	616020	282281 (M22520/2-01)	282974	6	282293 (M22520/5-01)	282246 (M22520/5-05)	A	A4 page 56							
		RG 141	616120	616020														
		RG 142 RG 223 KX 23	616121	616021														
		RG 179 RG 188 RG 174 RG 316 KX 22	616122	616022														
		RG 179 RG 187	/	616022002								DANIELS K345	7					
		RG 196 RG 178 KX 21	616123	616023								282974	6					
		RG 195 RG 180	616124	616024														
		RG 316 DS	616163	616026										7				
		UT .085	616125	/								solder						C4 page 58
		UT .141	616128	616028														

For other cables, consult RADIALL
Extraction tool : 282946 (M81969/28-01)
Dielectric withstanding voltage at sea level : 750 V rms.

COAXIAL CRIMP CONTACTS SIZE 7

CONTACT SIZE	CONTACT ARRANGEMENT	CABLE	PIN	SOCKET	CENTER CONTACT			OUTER BODY			WIRING INSTR.	
					CRIMPING TOOL RADIALL P/N (MIL P/N)	POSITIONER RADIALL P/N (MIL P/N)	SEL.	CRIMPING TOOL RADIALL P/N (MIL P/N)	DIE RADIALL P/N (MIL P/N)	HEX.		
7	MC3	RG 58 RG 141 KX 15	610120	/	solder						A	A3 page 56
		RG 174 RG 316 KX 22 RG 188	610126	/	solder						B	B3 page 57
		RG 58 KX 15	/	616030	282281 (M22520/2-01)	282550 (DANIELS K345)	6	282293 (M22520/5-01)	282246 (M22520/5-05)	A	A4 page 56	
		RG 141	/	616030								
		RG 142 RG 223 KX 23	/	616031								
		RG 174 RG 316 KX 22	/	616032								
			8									
			7									

For other cables, consult RADIALL
Extraction tool : 282946 (M81969/28-01)
Dielectric withstanding voltage at sea level : 750 V rms.

COAXIAL CRIMP CONTACTS SIZE 9

Add **001** to the end of part numbers in bold letter to order for **environmental** size 9 coax contacts which are to be installed in **C8, T8, 32C4** and **32T4** inserts. Coaxial cavities without any contact can be fitted with sealing plugs when used in DSX E connectors.

CONTACT SIZE	CONTACT ARRANGEMENT	CABLE	PIN	SOCKET	CENTER CONTACT			OUTER BODY			WIRING INSTR.				
					CRIMPING TOOL RADIALL P/N (MIL P/N)	POSITIONER RADIALL P/N (MIL P/N)	SEL.	CRIMPING TOOL RADIALL P/N (MIL P/N)	DIE RADIALL P/N (MIL P/N)	HEX.					
9	C8 T8 32C4 32T4	RG 58 KX 15	616140	616040	282281 (M22520/2-01)	282974	6	282293 (M22520/5-01)	282246 (M22520/5-05)	A	A4 page 56				
		RG 141										616141	616041	8	
		RG 142 RG 223 KX 23	616142	616042							8			B	B1 page 57
		RG 174 RG 179 RG 188 RG 316 KX 22									616143	616043	7		
		RG 178 RG 196 KX 21											616144		
		RG 180 RG 195									616144	616044			

For other cables, consult RADIALL

Extraction tool : 282946 (M81969/28-01)

Dielectric withstanding voltage at sea level : 750 V rms.

COAXIAL CRIMP CONTACTS SIZE 15

CONTACT SIZE	CONTACT ARRANGEMENT	CABLE	PIN	SOCKET	CENTER CONTACT			OUTER BODY			WIRING INSTR.	
					CRIMPING TOOL RADIALL P/N (MIL P/N)	POSITIONER RADIALL P/N (MIL P/N)	SEL.	CRIMPING TOOL RADIALL P/N (MIL P/N)	DIE RADIALL P/N (MIL P/N)	HEX.		
15	D8 26 67 32C4 32T4 33C4 33T4	RG 316 RG 179	616154	618050	282281 (M22520/2-01)	282555 DANIELS K370	2	282292 (M22520/4-01)	282556		A5 page 56 for pin M page 64 for socket	
		KX 22 DS	616150								G page 60 for pin M page 64 for socket	
		KX 21 DS	616151								618053	H page 60 for pin M page 64 for socket
		RG 178 KX 21	616153								618054	

For other cables, consult RADIALL

Dielectric withstanding voltage at sea level : 350 V rms.

CONTACTS

(continued)

CONCENTRIC TWINAX CRIMP CONTACTS SIZE 5

CONTACT SIZE	CONTACT ARRANGEMENT	CABLE	PIN	SOCKET	WIRING INSTR.
The following contacts have to be installed in the non environmental inserts					
5	32C2 32T2 40C1 40T1 36C7 36T7 33C4 33T4	MIL-C-17/176-00002	616195001	616095001	J page 61
		PAN 6421	616195005	616095005	
The following contacts have to be installed in the environmental inserts					
5	32C2 32T2 33C4 33T4 40C1 40T1	MIL-C-17/176-00002	616195009	616095009	J page 61
	36C7 36T7		616195012	/	

CONCENTRIC TWINAX CRIMP CONTACTS SIZE 9

CONTACT SIZE	CONTACT ARRANGEMENT	CABLE	PIN	SOCKET	WIRING INSTR.
The following contacts have to be installed in the non environmental inserts					
9	C8 T8 32C4 32T4	MIL-C-17/176-00002	616196003	616096003	J page 61
The following contacts have to be installed in the environmental inserts					
9	C8 T8	MIL-C-17/176-00002	/	616096006	J page 61
	32C4 32T4		616196004	616096004	

TRIAx CRIMP CONTACTS SIZE 5

CONTACT SIZE	CONTACT ARRANGEMENT	CABLE	PIN	SOCKET	WIRING INSTR.
The following contacts have to be installed in the non environmental inserts					
5	33C4 33T4 32C2 32T2 40C1 40T1 36C7 36T7	RGX 179	616195004	616095004	K page 62
		ST5M 1323-1	616195007	616095007	L page 63
		HS4863-1 HS4863-2	616195000	616095000	K page 62
The following contacts have to be installed in the environmental inserts					
5	36C7 36T7	RGX 179	/	616095010	K page 62

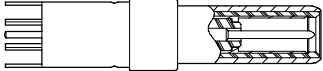
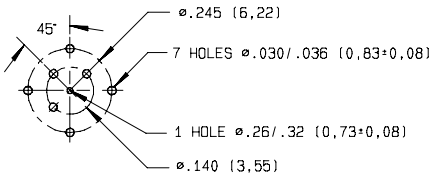
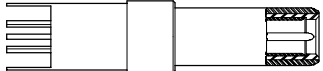
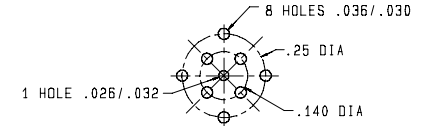
TRIAx CRIMP CONTACTS SIZE 9

CONTACT SIZE	CONTACT ARRANGEMENT	CABLE	PIN	SOCKET	WIRING INSTR.
The following contacts have to be installed in the non environmental inserts					
9	C8 T8 32C4 32T4	RGX 179	616196001	616096001	K page 62
The following contacts have to be installed in the environmental inserts					
9	32C4 32T4	RGX 179	/	616096002	K page 62

The extraction tool to be used for all the above contacts is M81969/28-01 (RADIALL 282946).


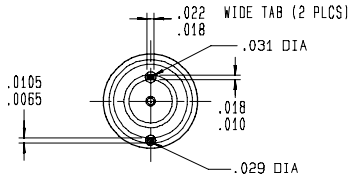
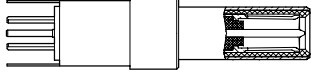
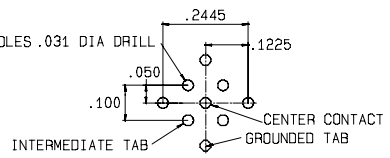
TRIAx CONTACTS WITH PC TAIL SIZE 5

The contacts shown in the table below are rear release rear removable contacts.

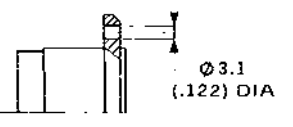
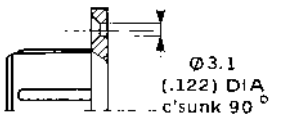
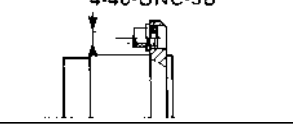
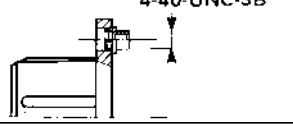
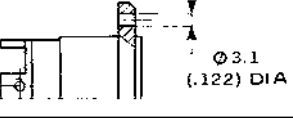
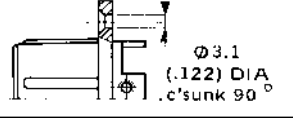
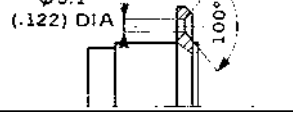
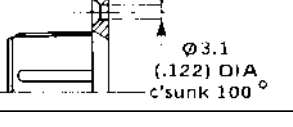
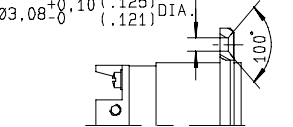
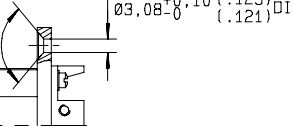
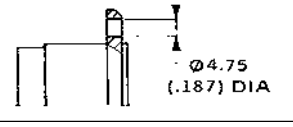
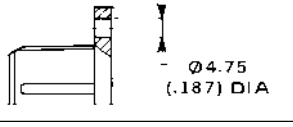
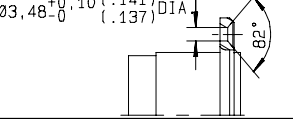
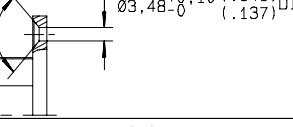
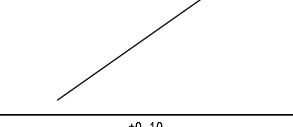
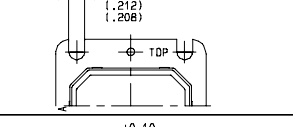
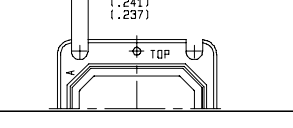
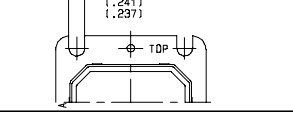
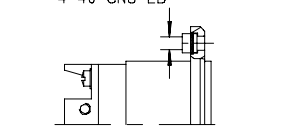
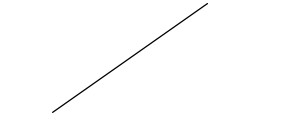
contact type	p/n	contact drawing	rear extension from the insert	pc drill pattern
pin	616195003		32C2, 32T2, 33C4, 33T4, 40C1 & 40T1 = .125/.158 (3.2/4.0)	
	616195008		36C7 & 36T7 = .212/.240 (5.40/6.10)	

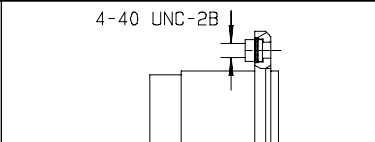
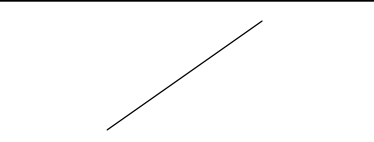
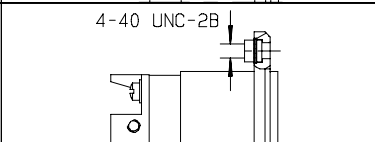
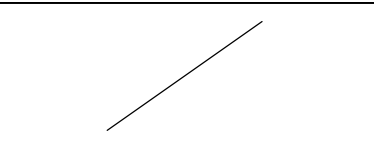
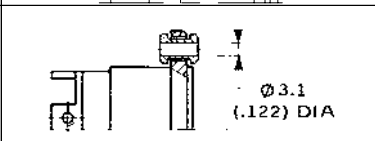
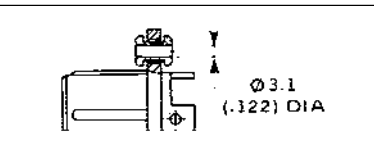
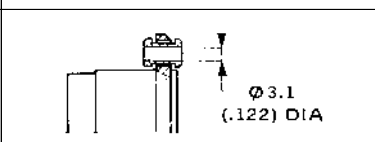
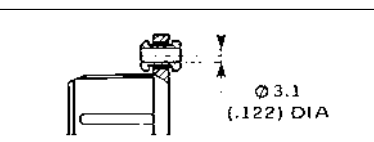
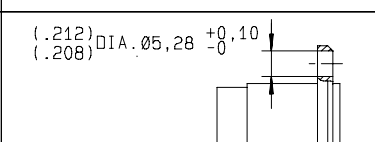
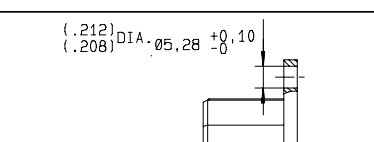
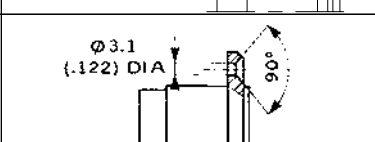
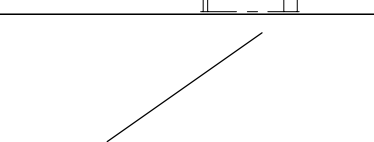
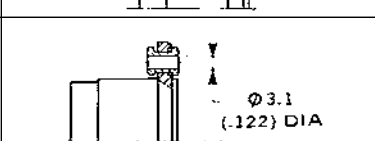
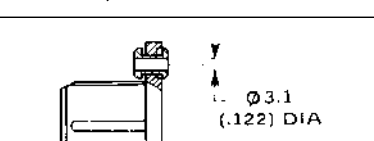
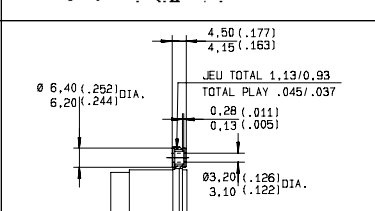
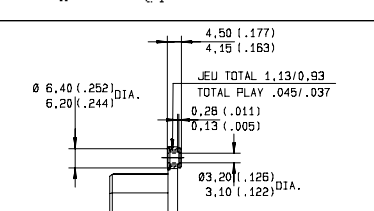
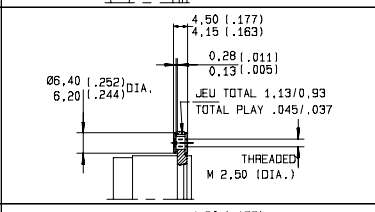
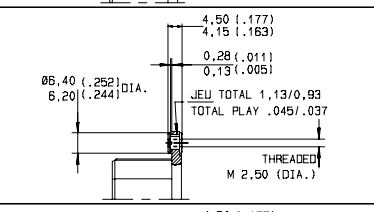
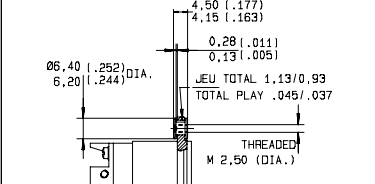
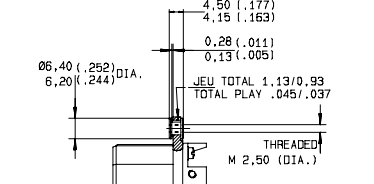
TRIAx CONTACTS WITH PC TAIL SIZE 9

The contacts shown in the table below are rear release rear removable contacts.

contact type	p/n	contact drawing	rear extension from the insert	pc drill pattern
pin	616196005		C8 & T8 = .051/.085 (1.30/2.15) 32C4 & 32T4 = .253/.288 (6.45/7.30)	
	616196007		C8 & T8 = 0 32C4 & 32T4 = .145/.172 (3.70/4.35)	

Extraction tool to be used for all the above contacts is M81969/28-01 (RADIAL 282946).

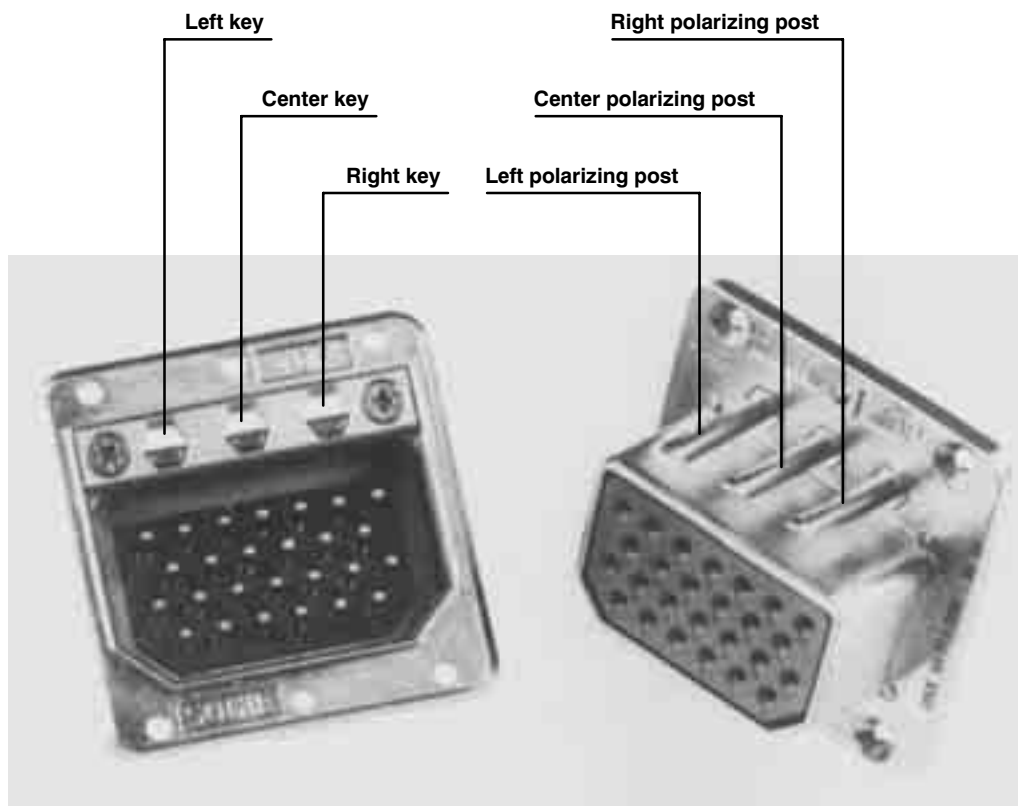
CODE	RECEPTACLE SHELL	PLUG SHELL
00	 <p>$\varnothing 3.1$ (.122) DIA</p>	 <p>$\varnothing 3.1$ (.122) DIA c'sunk 90°</p>
01	 <p>4-40-UNC-3B</p>	 <p>4-40-UNC-3B</p>
02	 <p>$\varnothing 3.1$ (.122) DIA</p>	 <p>$\varnothing 3.1$ (.122) DIA c'sunk 90°</p>
03	 <p>$\varnothing 3.1$ (.122) DIA 100°</p>	 <p>$\varnothing 3.1$ (.122) DIA c'sunk 100°</p>
04	 <p>$\varnothing 3.08^{+0.10}_{-.125}$ DIA 100°</p>	 <p>$\varnothing 3.08^{+0.10}_{-.125}$ DIA 100°</p>
05	 <p>$\varnothing 4.75$ (.187) DIA</p>	 <p>$\varnothing 4.75$ (.187) DIA</p>
08	 <p>$\varnothing 3.48^{+0.10}_{-.141}$ DIA 82°</p>	 <p>$\varnothing 3.48^{+0.10}_{-.141}$ DIA 82°</p>
12		 <p>5.28^{+0.10} (.212) (.208)</p>
13	 <p>6.02^{+0.10} (.241) (.237)</p>	 <p>6.02^{+0.10} (.241) (.237)</p>
17	 <p>4-40 UNC-2B</p>	

CODE	RECEPTACLE SHELL	PLUG SHELL
18		
19		
22		
23		
24		
26		
33		
34		
35		
36		

CODE	RECEPTACLE SHELL		PLUG SHELL	
55				Sizes 1, 2 & 3 : spring loaded shell 6 places
60		Similar to modification code 00 except that the shell, keys and keys retention plate are nickel plated		Similar to modification code 00 except that the shell is nickel plated
61		Similar to modification code 22 except that the shell, keys and keys retention plate are nickel plated		Similar to modification code 22 except that the shell is nickel plated
62		Similar to modification code 02 except that the shell, keys and keys retention plate are nickel plated		Similar to modification code 02 except that the shell is nickel plated
63		Similar to modification code 23 except that the shell, keys and keys retention plate are nickel plated		Similar to modification code 23 except that the shell is nickel plated
64		Similar to modification code 03 except that the shell, keys and keys retention plate are nickel plated		Similar to modification code 03 except that the shell is nickel plated
66		Similar to modification code 01 except that the shell, keys and keys retention plate are nickel plated		Similar to modification code 01 except that the shell is nickel plated
67		Sizes 1 & 2 : 4 holes .120 (3.1) c'sunk 100° plus attaching tabs for RADIALL junction shell Size 3 : 6 holes .120 (3.1) c'sunk 100° plus attaching tabs for RADIALL junction shell		Sizes 1 & 2 : 4 holes .120 (3.1) c'sunk 100° plus attaching tabs for RADIALL junction shell Size 3 : 6 holes .120 (3.1) c'sunk 100° plus attaching tabs for RADIALL junction shell
73		Sizes 1 & 2 : 4 holes .120 (3.1) dia c'sunk 82° Size 3 : 6 holes .120 (3.1) dia c'sunk 82° Size 4 : 10 holes .120 (3.1) dia c'sunk 82°		Sizes 1 & 2 : 4 holes .120 (3.1) dia c'sunk 82° Size 3 : 6 holes .120 (3.1) dia c'sunk 82° Size 4 : 10 holes .120 (3.1) dia c'sunk 82°
77		Sizes 1, 2 : 4 holes .120 (3.1) dia c'sunk 82° plus attaching tabs for RADIALL junction shell Size 3 : 6 holes .120 (3.1) dia c'sunk 82° plus attaching tabs for RADIALL junction shell		Sizes 1, 2 : 4 holes .120 (3.1) dia c'sunk 82° plus attaching tabs for RADIALL junction shell Size 3 : 6 holes .120 (3.1) dia c'sunk 82° plus attaching tabs for RADIALL junction shell
79		Sizes 1 & 2 : four M3 clinch nuts Size 3 : six M3 clinch nuts Size 4 : ten M3 clinch nuts		Sizes 1 & 2 : four M3 clinch nuts Size 3 : six M3 clinch nuts Size 4 : ten M3 clinch nuts

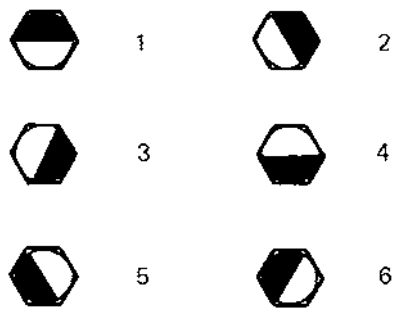
POSITION OF POLARIZATION KEYS AND POSTS

Connectors are shown front side, with "TOP" upwards.



POSITION CODING

Dark area represents the polarizing post. Clear portion represents the key hole.



POLARIZATION CODE

(continued)

CODE NUMBER	RECEPTACLE SHELL			PLUG SHELL		
	LEFT KEY	CENTER KEY	RIGHT KEY	LEFT POST	CENTER POST	RIGHT POST
00	/	/	/	/	/	/
01	4	4	4	1	1	1
02	4	4	3	2	1	1
03	4	4	2	3	1	1
04	4	4	1	4	1	1
05	4	4	6	5	1	1
06	4	4	5	6	1	1
07	5	4	4	1	1	6
08	5	4	3	2	1	6
09	5	4	2	3	1	6
10	5	4	1	4	1	6
11	5	4	6	5	1	6
12	5	4	5	6	1	6
13	6	4	4	1	1	5
14	6	4	3	2	1	5
15	6	4	2	3	1	5
16	6	4	1	4	1	5
17	6	4	6	5	1	5
18	6	4	5	6	1	5
19	1	4	4	1	1	4
20	1	4	3	2	1	4
21	1	4	2	3	1	4
22	1	4	1	4	1	4
23	1	4	6	5	1	4
24	1	4	5	6	1	4
25	2	4	4	1	1	3
26	2	4	3	2	1	3
27	2	4	2	3	1	3
28	2	4	1	4	1	3
29	2	4	6	5	1	3
30	2	4	5	6	1	3
31	3	4	4	1	1	2
32	3	4	3	2	1	2
33	3	4	2	3	1	2
34	3	4	1	4	1	2
35	3	4	6	5	1	2
36	3	4	5	6	1	2
37	4	3	4	1	2	1
38	4	3	3	2	2	1
39	4	3	2	3	2	1
40	4	3	1	4	2	1
41	4	3	6	5	2	1
42	4	3	5	6	2	1
43	5	3	4	1	2	6
44	5	3	3	2	2	6
45	5	3	2	3	2	6
46	5	3	1	4	2	6
47	5	3	6	5	2	6
48	5	3	5	6	2	6
49	6	3	4	1	2	5
50	6	3	3	2	2	5
51	6	3	2	3	2	5
52	6	3	1	4	2	5
53	6	3	6	5	2	5
54	6	3	5	6	2	5
55	1	3	4	1	2	4
56	1	3	3	2	2	4
57	1	3	2	3	2	4
58	1	3	1	4	2	4
59	1	3	6	5	2	4
60	1	3	5	6	2	4
61	2	3	4	1	2	3
62	2	3	3	2	2	3
63	2	3	2	3	2	3
64	2	3	1	4	2	3

CODE NUMBER	RECEPTACLE SHELL			PLUG SHELL		
	LEFT KEY	CENTER KEY	RIGHT KEY	LEFT POST	CENTER POST	RIGHT POST
65	2	3	6	5	2	3
66	2	3	5	6	2	3
67	3	3	4	1	2	2
68	3	3	3	2	2	2
69	3	3	2	3	2	2
70	3	3	1	4	2	2
71	3	3	6	5	2	2
72	3	3	5	6	2	2
73	4	2	4	1	3	1
74	4	2	3	2	3	1
75	4	2	2	3	3	1
76	4	2	1	4	3	1
77	4	2	6	5	3	1
78	4	2	5	6	3	1
79	5	2	4	1	3	6
80	5	2	3	2	3	6
81	5	2	2	3	3	6
82	5	2	1	4	3	6
83	5	2	6	5	3	6
84	5	2	5	6	3	6
85	6	2	4	1	3	5
86	6	2	3	2	3	5
87	6	2	2	3	3	5
88	6	2	1	4	3	5
89	6	2	6	5	3	5
90	6	2	5	6	3	5
91	1	2	4	1	3	4
92	1	2	3	2	3	4
93	1	2	2	3	3	4
94	1	2	1	4	3	4
95	1	2	6	5	3	4
96	1	2	5	6	3	4
97	2	2	4	1	3	3
98	2	2	3	2	3	3
99	2	2	2	3	3	3
100	2	2	1	4	3	3
101	2	2	6	5	3	3
102	2	2	5	6	3	3
103	3	2	4	1	3	2
104	3	2	3	2	3	2
105	3	2	2	3	3	2
106	3	2	1	4	3	2
107	3	2	6	5	3	2
108	3	2	5	6	3	2
109	4	1	4	1	4	1
110	4	1	3	2	4	1
111	4	1	2	3	4	1
112	4	1	1	4	4	1
113	4	1	6	5	4	1
114	4	1	5	6	4	1
115	5	1	4	1	4	6
116	5	1	3	2	4	6
117	5	1	2	3	4	6
118	5	1	1	4	4	6
119	5	1	6	5	4	6
120	5	1	5	6	4	6
121	6	1	4	1	4	5
122	6	1	3	2	4	5
123	6	1	2	3	4	5
124	6	1	1	4	4	5
125	6	1	6	5	4	5
126	6	1	5	6	4	5
127	1	1	4	1	4	4
128	1	1	3	2	4	4
129	1	1	2	3	4	4

POLARIZATION CODE

(continued)

CODE NUMBER	RECEPTACLE SHELL			PLUG SHELL		
	LEFT KEY	CENTER KEY	RIGHT KEY	LEFT POST	CENTER POST	RIGHT POST
130	1	1	1	4	4	4
131	1	1	6	5	4	4
132	1	1	5	6	4	4
133	2	1	4	1	4	3
134	2	1	3	2	4	3
135	2	1	2	3	4	3
136	2	1	1	4	4	3
137	2	1	6	5	4	3
138	2	1	5	6	4	3
139	3	1	4	1	4	2
140	3	1	3	2	4	2
141	3	1	2	3	4	2
142	3	1	1	4	4	2
143	3	1	6	5	4	2
144	3	1	5	6	4	2
145	4	6	4	1	5	1
146	4	6	3	2	5	1
147	4	6	2	3	5	1
148	4	6	1	4	5	1
149	4	6	6	5	5	1
150	4	6	5	6	5	1
151	5	6	4	1	5	6
152	5	6	3	2	5	6
153	5	6	2	3	5	6
154	5	6	1	4	5	6
155	5	6	6	5	5	6
156	5	6	5	6	5	6
157	6	6	4	1	5	5
158	6	6	3	2	5	5
159	6	6	2	3	5	5
160	6	6	1	4	5	5
161	6	6	6	5	5	5
162	6	6	5	6	5	5
163	1	6	4	1	5	4
164	1	6	3	2	5	4
165	1	6	2	3	5	4
166	1	6	1	4	5	4
167	1	6	6	5	5	4
168	1	6	5	6	5	4
169	2	6	4	1	5	3
170	2	6	3	2	5	3
171	2	6	2	3	5	3
172	2	6	1	4	5	3
173	2	6	6	5	5	3

CODE NUMBER	RECEPTACLE SHELL			PLUG SHELL		
	LEFT KEY	CENTER KEY	RIGHT KEY	LEFT POST	CENTER POST	RIGHT POST
174	2	6	5	6	5	3
175	3	6	4	1	5	2
176	3	6	3	2	5	2
177	3	6	2	3	5	2
178	3	6	1	4	5	2
179	3	6	6	5	5	2
180	3	6	5	6	5	2
181	4	5	4	1	6	1
182	4	5	3	2	6	1
183	4	5	2	3	6	1
184	4	5	1	4	6	1
185	4	5	6	5	6	1
186	4	5	5	6	6	1
187	5	5	4	1	6	6
188	5	5	3	2	6	6
189	5	5	2	3	6	6
190	5	5	1	4	6	6
191	5	5	6	5	6	6
192	5	5	5	6	6	6
193	6	5	4	1	6	5
194	6	5	3	2	6	5
195	6	5	2	3	6	5
196	6	5	1	4	6	5
197	6	5	6	5	6	5
198	6	5	5	6	6	5
199	1	5	4	1	6	4
200	1	5	3	2	6	4
201	1	5	2	3	6	4
202	1	5	1	4	6	4
203	1	5	6	5	6	4
204	1	5	5	6	6	4
205	2	5	4	1	6	3
206	2	5	3	2	6	3
207	2	5	2	3	6	3
208	2	5	1	4	6	3
209	2	5	6	5	6	3
210	2	5	5	6	6	3
211	3	5	4	1	6	2
212	3	5	3	2	6	2
213	3	5	2	3	6	2
214	3	5	1	4	6	2
215	3	5	6	5	6	2
216	3	5	5	6	6	2

SEALING PLUGS AND FILLER PLUGS

Filler plugs are used in non environmental connectors and sealing plugs are used in environmental connectors. Sealing plugs and filler plugs are made of PTFE.

	SEALING PLUGS	FILLER PLUGS
size 22 (black)	616910	620920
size 20HD (red)	616911	610941
size 16 (blue)	616912	620922
size 12 (yellow)	616913	616923
size 5 (white)	see sealing boots below	620924, 616923 (note1) or 616917 (note 2) for pin contact cavity. 620925 for socket contact cavity.
size 9 (white)	see sealing boots below	616915 (note 2)

Note :

- 1 **616923** is made of aluminum and is nickel plated.
- 2 **616917** and **616915** are providing interfacial sealing on class T connectors.

SEALING BOOTS

The sealing boots of table 1 below are to be used in size 5 contact cavities of all inserts having size 5 contact cavities except 36C7 and 36T7 inserts which use the sealing bushing plus one of the sealing sleeves of table 2. Sealing boots and sealing sleeves are made of fluorinated silicon rubber. 925.05.590 sealing bushing is made of PEI and 616914010 is made of PTFE.

Table 1


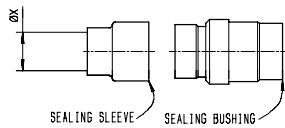
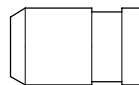
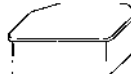
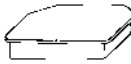
CABLE	X dia inch (mm)	P/N	DRAWING
RG58 and 142	.169 (4.3)	925-05-490	
RG 174	.079 (2.0)	925-05-470	
RG 178	.055 (1.4)	925-05-460	
RG 180	.122 (3.1)	925-05-480	
/	0	925-05-450	

Table 2

CABLE	X dia inch (mm)	SEALING BUSHING	SEALING SLEEVE	DRAWING
RG58, RG141, RG142, RG223, KX15, KX23	.185 (4.7)	925-05-590	925-05-591	
RG174, RG179, RG187, RG188, RG316, KX22, UT.085	.085 (2.15)		925-05-593	
RG178, RG196	.059 (1.5)		925-05-594	
RG180, RG195, UT.141	.120 (3.05)		925-05-592	
/	0	616914010		

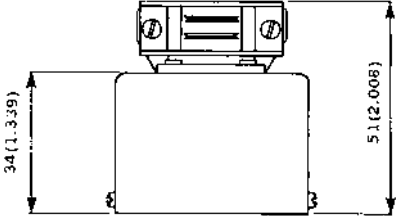
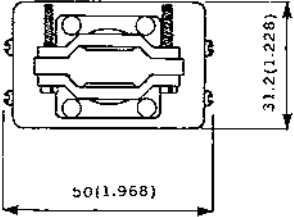
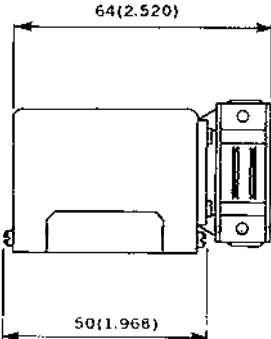
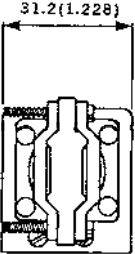
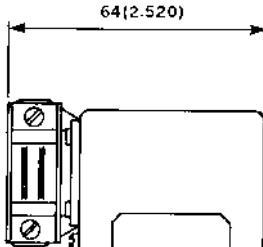
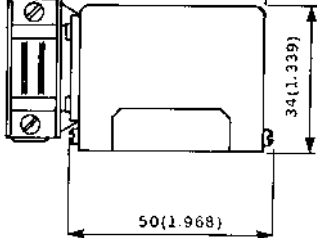
DUST CAPS

Conductive dust caps are made of thermoplastic and non conductive ones are made of polyethylene.

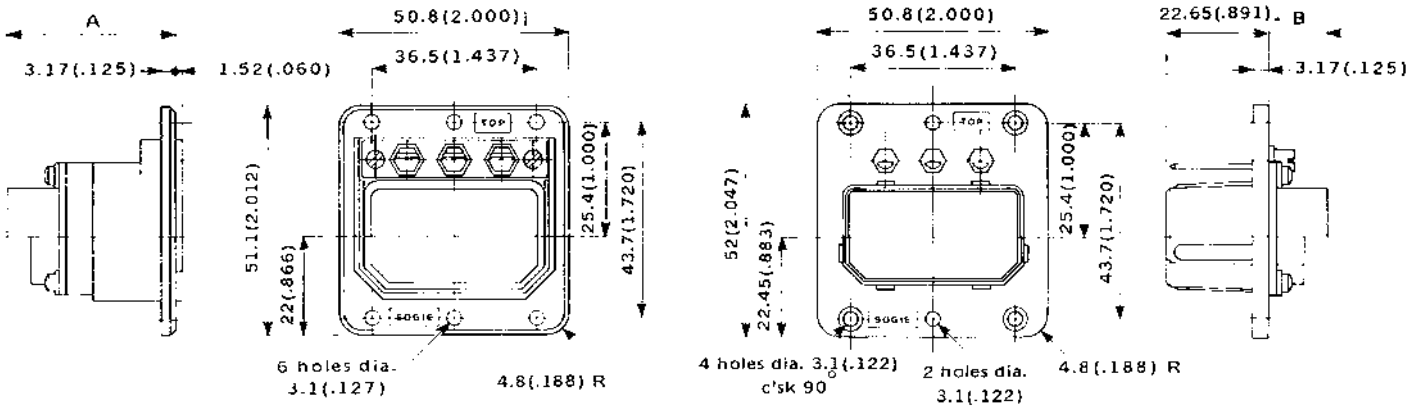
	CONDUCTIVE (black)	NON CONDUCTIVE (red)	DRAWING
PLUG	610804	610803	
RECEPTACLE	610806	610805	

JUNCTION SHELLS

Junction shells are made of aluminum alloy and are available in two kinds of finish : yellow anodized or nickel plated. The following junction shells are only for use on MIL-C-81659B and ARINC 404 shell type B connectors which have the following modification codes (see pages 18 to 20) 02 - 04 - 17 - 19 - 22 - 36 - 61 - 62 - 67 - 77.

ENTRY TYPE	PLATING	P/N	DRAWING
TOP ENTRY	YELLOW ANODIZED	610902	
	NICKEL	610906	
RIGHT ENTRY	YELLOW ANODIZED	610900	
	NICKEL	610910	
LEFT ENTRY	YELLOW ANODIZED	610901	
	NICKEL	610911	

SHELL SIZE 1 NON ENVIRONMENTAL (without grommet seal)

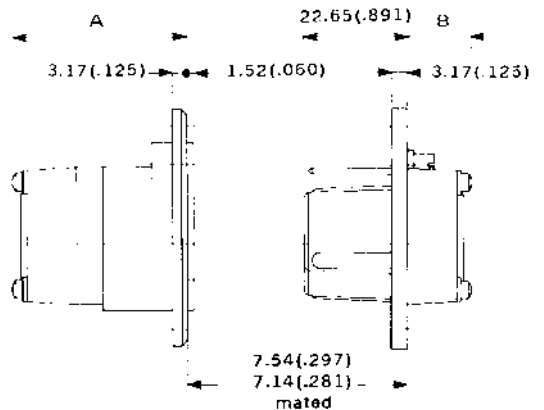


MAX. DIMENSION	ALL CRIMP CONTACT ARRANGEMENTS EXCEPT 106	CONTACT ARRANGEMENTS 106	ARRANGEMENTS WITH COAX CONTACTS SIZE 1 & 3	CONTACT ARRANGEMENTS 36C7 & 36T7	ARRANGEMENTS WITH COAX CONTACTS SIZE 5 & 9 except 36C7
A	1.260 (32)	1.015 (25.8)	1.057 (26.85)	1.122 (28.5)	1.472 (37.4)
B	.311 (7.9)	.074 (1.9)	.118 (3)	.309 (7.85)	.531 (13.5)

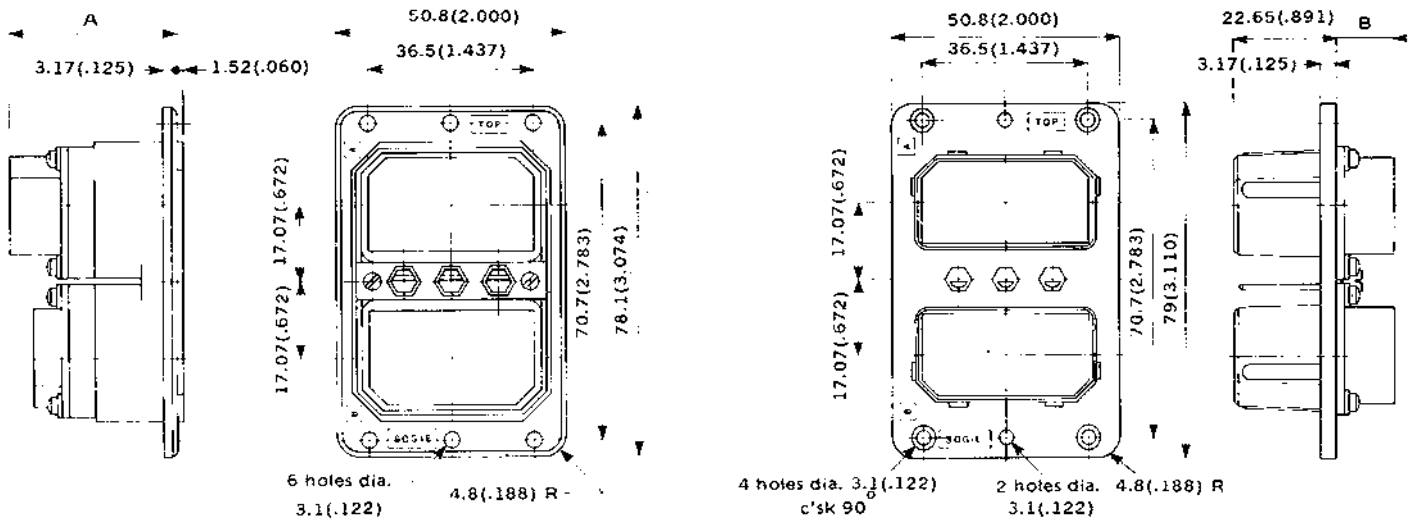
SHELL SIZE 1 ENVIRONMENTAL (with grommet seal)

MAX. DIMENSION	ALL CONTACT ARRANGEMENTS EXCEPT MC2 - MC3 - 106	CONTACT ARRANGEMENTS 106
A	1.515 (38.5)	1.319 (33.5)
B	.599 (14.2)	.374 (9.5)

Note : For special connectors, consult Radiall.



SHELL SIZE 2 NON ENVIRONMENTAL (without grommet seal)

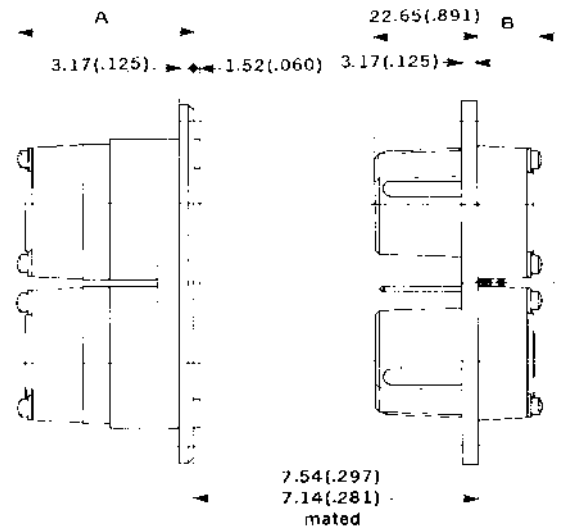


MAX. DIMENSION	ALL CRIMP CONTACT ARRANGEMENTS EXCEPT 106	CONTACT ARRANGEMENTS 106	ARRANGEMENTS WITH COAX CONTACTS SIZE 1 & 3	CONTACT ARRANGEMENTS 36C7 & 36T7	ARRANGEMENTS WITH COAX CONTACTS SIZE 5 & 9 except 36C7
A	1.260 (32)	1.015 (25,8)	1.057 (26.85)	1.122 (28.5)	1.472 (37.4)
B	.311 (7.9)	.074 (1.9)	.118 (3)	.309 (7.85)	.531 (13.5)

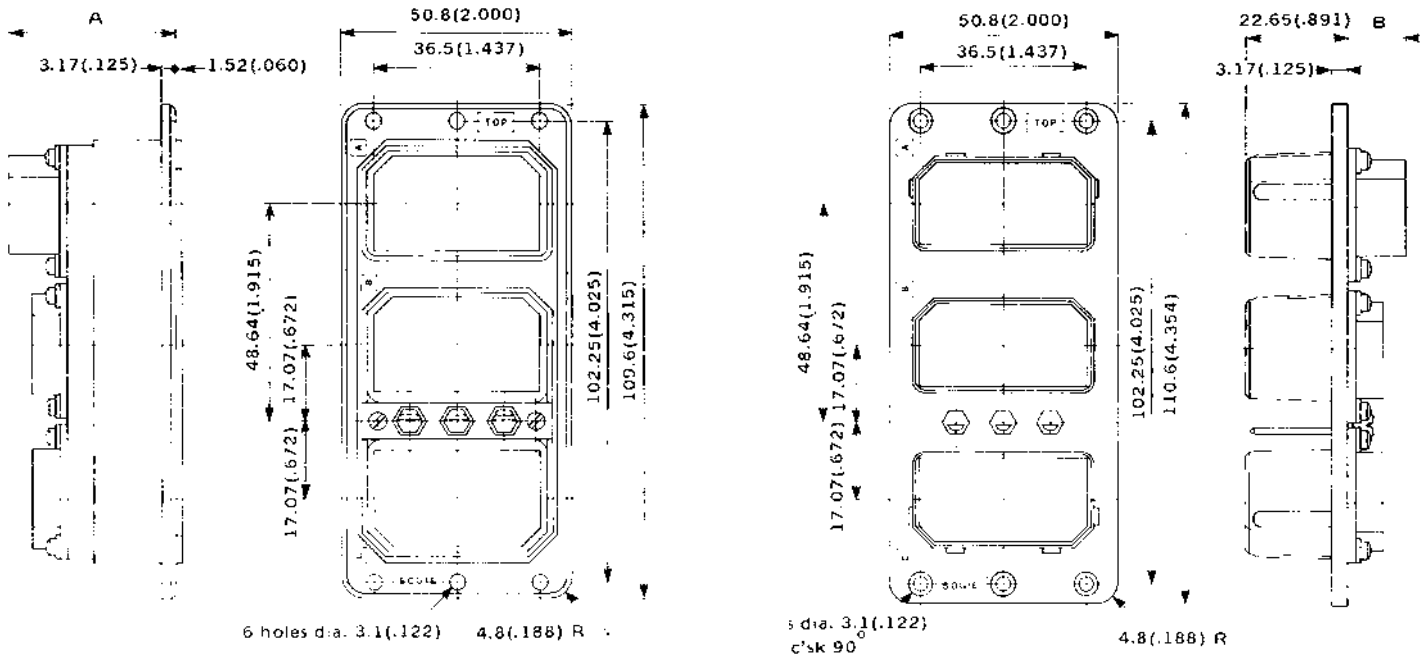
SHELL SIZE 2 ENVIRONMENTAL (with grommet seal)

MAX. DIMENSION	ALL CONTACT ARRANGEMENTS EXCEPT MC2 - MC3 - 106	CONTACT ARRANGEMENTS 106
A	1.515 (38.5)	1.319 (33.5)
B	.599 (14.2)	.374 (9.5)

Note : For special connectors, consult Radiall.



SHELL SIZE 3 NON ENVIRONMENTAL (without grommet seal)

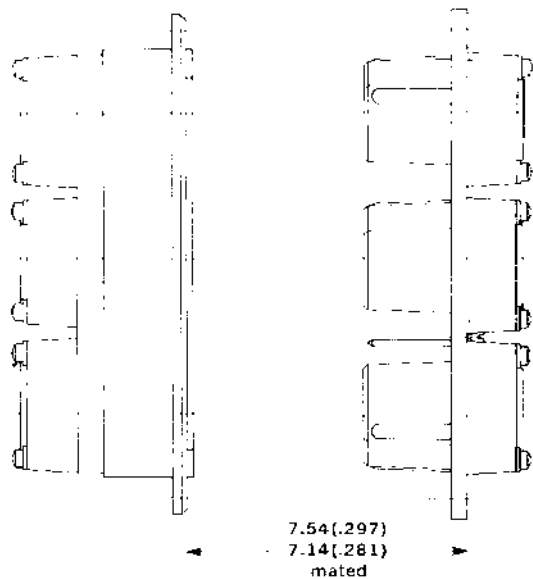


MAX. DIMENSION	ALL CRIMP CONTACT ARRANGEMENTS EXCEPT 106	CONTACT ARRANGEMENTS 106	ARRANGEMENTS WITH COAX CONTACTS SIZE 1 & 3	CONTACT ARRANGEMENTS 36C7 & 36T7	ARRANGEMENTS WITH COAX CONTACTS SIZE 5 & 9 except 36C7
A	1.260 (32)	1.015 (25.8)	1.057 (26.85)	1.122 (28.5)	1.472 (37.4)
B	.311 (7.9)	.074 (1.9)	.118 (3)	.309 (7.85)	.531 (13.5)

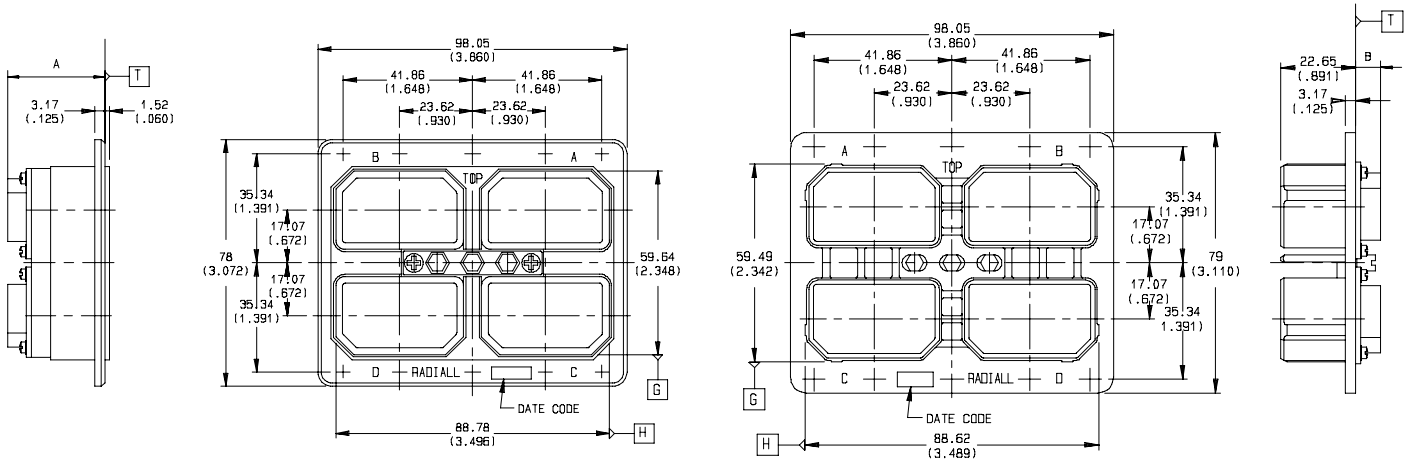
SHELL SIZE 3 ENVIRONMENTAL (with grommet seal)

MAX. DIMENSION	ALL CONTACT ARRANGEMENTS EXCEPT MC2 - MC3 - 106	CONTACT ARRANGEMENTS 106
A	1.515 (38.5)	1.319 (33.5)
B	.599 (14.2)	.374 (9.5)

Note : For special connectors, consult Radiall.



SHELL SIZE 4 NON ENVIRONMENTAL (without grommet seal)

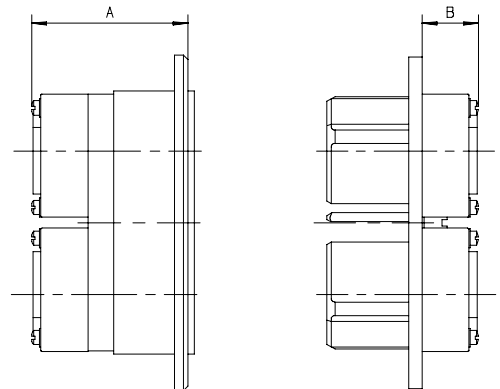


MAX. DIMENSION	ALL CRIMP CONTACT ARRANGEMENTS EXCEPT 106	CONTACT ARRANGEMENTS 106	ARRANGEMENTS WITH COAX CONTACTS SIZE 1 & 3	CONTACT ARRANGEMENTS 36C7 & 36T7	ARRANGEMENTS WITH COAX CONTACTS SIZE 5 & 9 except 36C7
A	1.260 (32)	1.015 (25.8)	1.057 (26.85)	1.122 (28.5)	1.472 (37.4)
B	.311 (7.9)	.074 (1.9)	.118 (3)	.309 (7.85)	.531 (13.5)

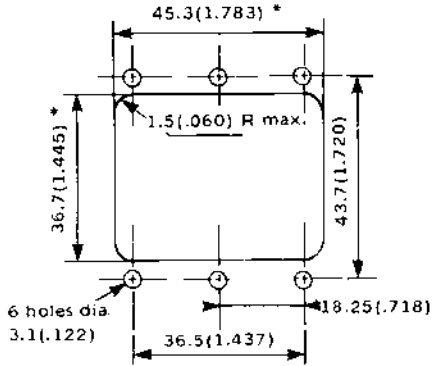
SHELL SIZE 4 ENVIRONMENTAL (with grommet seal)

MAX. DIMENSION	ALL CONTACT ARRANGEMENTS EXCEPT MC2 - MC3 - 106	CONTACT ARRANGEMENTS 106
A	1.515 (38.5)	1.319 (33.5)
B	.599 (14.2)	.374 (9.5)

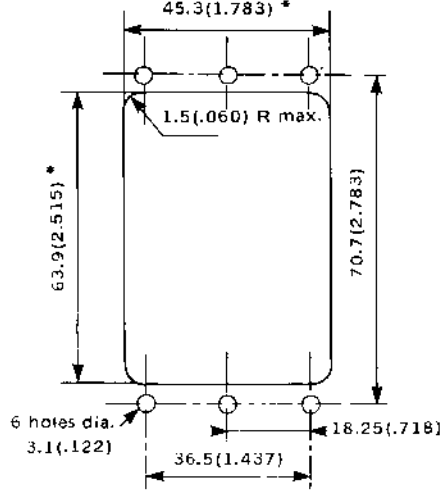
Note : For special connectors, consult Radiall.



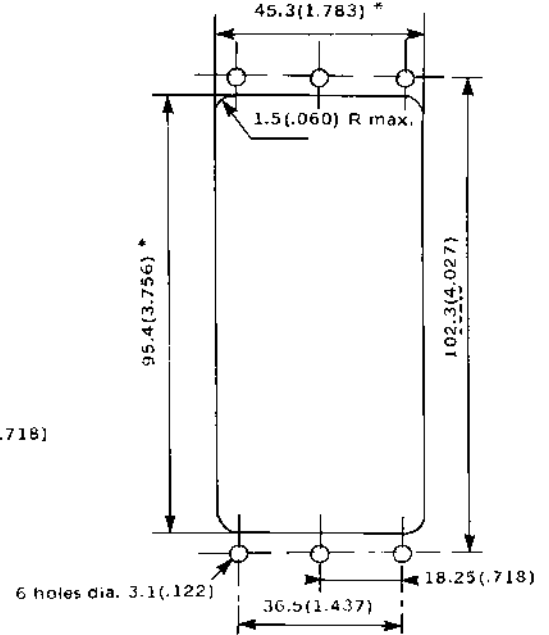
SHELL SIZE 1



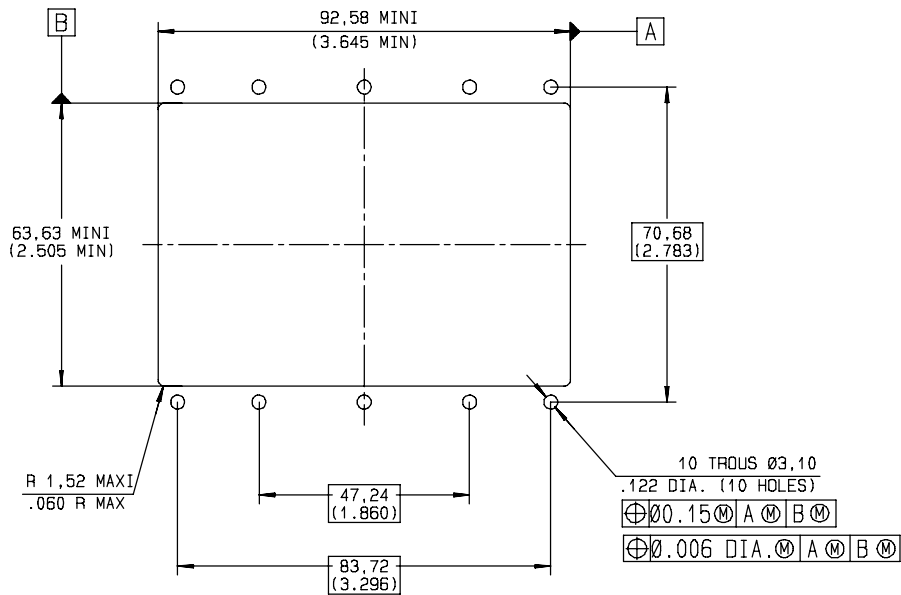
SHELL SIZE 2



SHELL SIZE 3



SHELL SIZE 4



FROM MILITARY TO RADIALL P/N

MIL PART NUMBER	RADIALL PART NUMBER
M39029/11-144	616200
M39029/11-145	616210
M39029/11-146	616230
M39029/11-147	616240
M39029/12-148	616300
M39029/12-149	616310
M39029/12-150	616330
M39029/12-151	616340
M81659/29A2-0002	DSXE1PS26S73
M81659/29A2-0010	DSXE1PS40S73
M81659/29A2-0018	DSXE1PS45S73
M81659/29A2-0026	DSXE1PS57S73
M81659/29A2-0034	DSXE1PS67S73
M81659/29A2-0041	DSXE1PS106P73
M81659/29A2-0084	DSXE1PSD8S73
M81659/29A2-0104	DSXE1PS33C4S73
M81659/29A2-0136	DSXE1PXC8S73
M81659/29A2-0140	DSXE1PS32C2S73
M81659/29A2-0142	DSXE1PS40C1S73
M81659/29A2-0150	DSXE1PS32C4S73
M81659/31A2-0001	DSXE1RS26P00
M81659/31A2-0009	DSXE1RS40P00
M81659/31A2-0017	DSXE1RS45P00
M81659/31A2-0025	DSXE1RS57P00
M81659/31A2-0035	DSXE1RS67P00
M81659/31A2-0042	DSXE1RS106S00
M81659/31A2-0083	DSXE1RSD8P00
M81659/31A2-0103	DSXE1R33C4P00
M81659/31A2-0139	DSXE1RS32C2P00
M81659/31A2-0141	DSXE1RS40C1P00
M81659/31A2-0149	DSXE1R32C4P00
M81659/33A2-0004	DSXE2PS26SS26S73
M81659/33A2-0012	DSXE2PS40SS40S73
M81659/33A2-0020	DSXE2PS45SS45S73
M81659/33A2-0028	DSXE2PS57SS57S73
M81659/33A2-0036	DSXE2PS67SS67S73
M81659/33A2-0043	DSXE2PS106PS106P73
M81659/33A2-0058	DSXE2PS106PS26S73
M81659/33A2-0060	DSXE2PS26SS106P73
M81659/33A2-0072	DSXE2PS67SS106P73
M81659/33A2-0088	DSXE2PS106PXC8S73
M81659/33A2-0090	DSXE2PS106PS67S73
M81659/33A2-0106	DSXE2PS33C4SS106P73
M81659/33A2-0108	DSXE2PS33C4SXC8S73
M81659/33A2-0110	DSXE2PXM2SS40C1S73
M81659/33A2-0112	DSXE2PXM2SS57S73
M81659/33A2-0114	DSXE2PXM3SS67S73
M81659/33A2-0116	DSXE2PXM3SS106P73
M81659/33A2-0118	DSXE2PXC8SS106P73
M81659/33A2-0122	DSXE2PS32C2SS40C1S73
M81659/33A2-0124	DSXE2PS32C2SS45S73
M81659/33A2-0126	DSXE2PS32C2SS57S73
M81659/33A2-0128	DSXE2PS32C2SS67S73

MIL PART NUMBER	RADIALL PART NUMBER
M81659/33A2-0130	DSXE2PS32C2SS106P73
M81659/33A2-0132	DSXE2PS40C1SS40C1S73
M81659/33A2-0134	DSXE2PS57SS106P73
M81659/33A2-0146	DSXE2PXC8SS57S73
M81659/33A2-0148	DSXE2PS57SS26S73
M81659/33A2-0152	DSXE2PS32C4SS106P73
M81659/33A2-0156	DSXE2PXC8SS32C4S73
M81659/33A2-0160	DSXE2PS32C4SXC8S73
M81659/35A2-0003	DSXE2RS26PS26P00
M81659/35A2-0011	DSXE2RS40PS40P00
M81659/35A2-0019	DSXE2RS45PS45P00
M81659/35A2-0027	DSXE2RS57PS7P00
M81659/35A2-0035	DSXE2RS67PS67P00
M81659/35A2-0044	DSXE2RS106SS106S00
M81659/35A2-0057	DSXE2RS106SS26P00
M81659/35A2-0059	DSXE2RS26PS106S00
M81659/35A2-0071	DSXE2RS67PS106S00
M81659/35A2-0087	DSXE2RS106SXC8P00
M81659/35A2-0089	DSXE2RS106SS67P00
M81659/35A2-0105	DSXE2RS33C4PS106S00
M81659/35A2-0107	DSXE2RS33C4PXC8P00
M81659/35A2-0109	DSXE2RXMC2PS40C1P00
M81659/35A2-0111	DSXE2RXMC2PS57P00
M81659/35A2-0113	DSXE2RXMC3PS67P00
M81659/35A2-0115	DSXE2RXMC3PS106S00
M81659/35A2-0117	DSXE2RXC8PS106S00
M81659/35A2-0121	DSXE2RS32C2PS40C1P00
M81659/35A2-0123	DSXE2RS32C2PS45P00
M81659/35A2-0125	DSXE2RS32C2PS57P00
M81659/35A2-0127	DSXE2RS32C2PS67P00
M81659/35A2-0129	DSXE2RS32C2PS106S00
M81659/35A2-0131	DSXE2RS40C1PS40C1P00
M81659/35A2-0133	DSXE2RS57PS106S00
M81659/35A2-0145	DSXE2RXC8PS57P00
M81659/35A2-0147	DSXE2RS57PS26P00
M81659/35A2-0151	DSXE2RS32C4PS106S00
M81659/35A2-0155	DSXE2RXC8PS32C4P00
M81659/35A2-0159	DSXE2RS32C4PXC8P00
M81659/37A2-0006	DSXE3PS26SS26SS26S73
M81659/37A2-0014	DSXE3PS40SS40SS40S73
M81659/37A2-0022	DSXE3PS45SS45SS45S73
M81659/37A2-0030	DSXE3PS57SS57SS57S73
M81659/37A2-0038	DSXE3PS67SS67SS67S73
M81659/37A2-0045	DSXE3PS106PS106PS106P73
M81659/37A2-0066	DSXE3PXC8SXC8SXC8S73
M81659/37A2-0068	DSXE3PXC8SXC8SS106P73
M81659/37A2-0074	DSXE3PS67SS67SXC8S73
M81659/37A2-0076	DSXE3PS67SS67SS106P73
M81659/37A2-0080	DSXE3PS67SS106PS67S73
M81659/37A2-0092	DSXE3PS106PS106PS67S73
M81659/37A2-0158	DSXE3PS106PS106PS32C4S73
M81659/39A2-0005	DSXE3RS26PS26PS26P01
M81659/39A2-0013	DSXE3RS40PS40PS40P01

(continued)

FROM MILITARY TO RADIALL P/N

MIL PART NUMBER	RADIALL PART NUMBER
M81659/39A2-0021	DSXE3RS45PS45PS45P01
M81659/39A2-0029	DSXE3RS57PS57PS57P01
M81659/39A2-0037	DSXE3RS67PS67PS67P01
M81659/39A2-0046	DSXE3RS106SS106SS106S01
M81659/39A2-0065	DSXE3RXC8PXC8PXC8P01
M81659/39A2-0067	DSXE3RXC8PXC8PS106S01
M81659/39A2-0073	DSXE3RS67PS67PXC8P01
M81659/39A2-0075	DSXE3RS67PS67PS106S01
M81659/39A2-0079	DSXE3RS67PS106SS67P01
M81659/39A2-0091	DSXE3RS106SS106SS67P01
M81659/39A2-0157	DSXE3RS106SS106SS32C4P01
M81659/41A2-0008	DSXE4PS26SS26SS26SS26S73
M81659/41A2-0016	DSXE4PS40SS40SS40SS40S73
M81659/41A2-0024	DSXE4PS45SS45SS45SS45S73
M81659/41A2-0032	DSXE4PS57SS57SS57SS57S73
M81659/41A2-0040	DSXE4PS67SS67SS67SS67S73
M81659/41A2-0047	DSXE4PS106PS106PS106PS106P73
M81659/41A2-0082	DSXE4PS67SS67SS33C4SS33C4S73
M81659/41A2-0086	DSXE4PSC8SSC8SS67S67S73
M81659/41A2-0098	DSXE4PS106PS67SS106PSC8S73
M81659/41A2-0100	DSXE4PS106PS67SSC8SSC8S73
M81659/41A2-0102	DSXE4PS106PS106PS67SS67S73
M81659/43A2-0007	DSXE4RS26PS26PS26PS26P00
M81659/43A2-0015	DSXE4RS40PS40PS40PS40P00
M81659/43A2-0023	DSXE4RS45PS45PS45PS45P00
M81659/43A2-0031	DSXE4RS57PS57PS57PS57P00
M81659/43A2-0039	DSXE4RS67PS67PS67PS67P00
M81659/43A2-0048	DSXE4RS106SS106SS106SS106S00
M81659/43A2-0061	DSXE4RS26PS26PS26S00
M81659/43A2-0085	DSXE4RSC8PSC8PSC8PSC8P00
M81659/43A2-0095	DSXE4RS106SSC8PS106SS106S00
M81659/43A2-0097	DSXE4RS106SS67PS106SSC8P00
M81659/43A2-0099	DSXE4RS106SS67PSC8PSC8P00
M81659/43A2-0101	DSXE4RS106SS106SS67PS67P00
M81659/61A2-0001	DSXT1RS26P00
M81659/61A2-0009	DSXT1RS40P00
M81659/61A2-0017	DSXT1RS45P00
M81659/61A2-0025	DSXT1RS57P00
M81659/61A2-0033	DSXT1RS67P00
M81659/61A2-0042	DSXT1RS106S00
M81659/61A2-0083	DSXT1RSD8P00
M81659/61A2-0103	DSXT1RS33C4P00
M81659/61A2-0135	DSXT1RXC8P00
M81659/61A2-0139	DSXT1RS32C2P00
M81659/61A2-0141	DSXT1RS40C1P00
M81659/61A2-0149	DSXT1RS32C4P00
M81659/62A2-0003	DSXT2RS26PS26P00
M81659/62A2-0011	DSXT2RS40PS40P00
M81659/62A2-0019	DSXT2RS45PS45P00
M81659/62A2-0027	DSXT2RS57PS57P00
M81659/62A2-0035	DSXT2RS67PS67P00
M81659/62A2-0044	DSXT2RS106SS106S00
M81659/62A2-0057	DSXT2RS106SS26P00

MIL PART NUMBER	RADIALL PART NUMBER
M81659/62A2-0059	DSXT2RS26PS106S00
M81659/62A2-0071	DSXT2RS67PS106S00
M81659/62A2-0087	DSXT2RS106SXC8P00
M81659/62A2-0089	DSXT2RS106SS67P00
M81659/62A2-0105	DSXT2RS33C4PS106S
M81659/62A2-0107	DSXT2RS33C4PXC8P00
M81659/62A2-0109	DSXT2RXMC2PS40C1P00
M81659/62A2-0111	DSXT2RXMC2PS57P00
M81659/62A2-0113	DSXT2RXMC3PS67P00
M81659/62A2-0115	DSXT2RXMC3PS106S00
M81659/62A2-0117	DSXT2RXC8PS106S00
M81659/62A2-0121	DSXT2RS32C2PS40C1P00
M81659/62A2-0123	DSXT2RS32C2PS45P00
M81659/62A2-0125	DSXT2RS32C2PS57P00
M81659/62A2-0127	DSXT2RS32C2PS67P00
M81659/62A2-0129	DSXT2RS32C2PS106S00
M81659/62A2-0131	DSXT2RS40C1PS40C1P00
M81659/62A2-0133	DSXT2RS57PS106S00
M81659/62A2-0145	DSXT2RXC8PS57P00
M81659/62A2-0147	DSXT2RS57PS26P00
M81659/62A2-0151	DSXT2RS32C4PS106S00
M81659/62A2-0155	DSXT2RXC8PS32C4P00
M81659/62A2-0159	DSXT2RS32C4PXC8P00
M81659/63A2-0005	DSXT3RS26PS26PS26P00
M81659/63A2-0013	DSXT3RS40PS40PS40P00
M81659/63A2-0021	DSXT3RS45PS45PS45P00
M81659/63A2-0029	DSXT3RS57PS57PS57P00
M81659/63A2-0037	DSXT3RS67PS67PS67P00
M81659/63A2-0046	DSXT3RS106SS106SS106S00
M81659/63A2-0065	DSXT3RXC8PXC8PXC8P00
M81659/63A2-0067	DSXT3RXC8PXC8PS106S00
M81659/63A2-0073	DSXT3RS67PS67PXC8P00
M81659/63A2-0075	DSXT3RS67PS67PS106S00
M81659/63A2-0079	DSXT3RS67PS106SS67P00
M81659/63A2-0091	DSXT3RS106SS106SS67P00
M81659/63A2-0157	DSXT3RS106SS106SS32C4P00
M81659/64A2-0007	DSXT4RS26PS26PS26PS26P00
M81659/64A2-0015	DSXT4RS40PS40PS40PS40P00
M81659/64A2-0023	DSXT4RS45PS45PS45PS45P00
M81659/64A2-0031	DSXT4RS57PS57PS57PS57P00
M81659/64A2-0048	DSXT4RS106SS106SS106SS106S00
M81659/64A2-0081	DSXT4RS67PS67PS33C4PS33C4P00
M81659/64A2-0085	DSXT4RSC8PSC8PS67PS67P00
M81659/64A2-0095	DSXT4RS106SSC8PS106SS106S00
M81659/64A2-0097	DSXT4RS106SS67PS106SSC8P00
M81659/64A2-0099	DSXT4RS106SS67PSC8PSC8P00
M81659/64A2-0101	DSXT4RS106SS106SS67PS67P00
M81659/65A2-0002	DSXN1PS26S73
M81659/65A2-0010	DSXN1PS40S73
M81659/65A2-0018	DSXN1PS45S73
M81659/65A2-0026	DSXN1PS57S73
M81659/65A2-0034	DSXN1PS67S73
M81659/65A2-0041	DSXN1PS106P73

(continued)

FROM MILITARY TO RADIALL P/N

MIL PART NUMBER	RADIALL PART NUMBER
M81659/65A2-0084	DSXN1PSD8S73
M81659/65A2-0104	DSXN1PS33C4S73
M81659/65A2-0136	DSXN1PXC8S73
M81659/65A2-0140	DSXN1PS32C2S73
M81659/65A2-0142	DSXN1PS40C1S73
M81659/65A2-0150	DSXN1PS32C4S73
M81659/66A2-0001	DSXN1RS26P00
M81659/66A2-0009	DSXN1RS40P00
M81659/66A2-0017	DSXN1RS45P00
M81659/66A2-0025	DSXN1RS57P00
M81659/66A2-0033	DSXN1RS67P00
M81659/66A2-0042	DSXN1RS106S00
M81659/66A2-0083	DSXN1RSD8P00
M81659/66A2-0103	DSXN1RS33C4P00
M81659/66A2-0135	DSXN1RXC8P00
M81659/66A2-0139	DSXN1RS32C2P00
M81659/66A2-0141	DSXN1RS40C1P00
M81659/66A2-0149	DSXN1RS32C4P00
M81659/67A2-0001	DSXN1RS26P01
M81659/67A2-0009	DSXN1RS40P01
M81659/67A2-0017	DSXN1RS45P01
M81659/67A2-0025	DSXN1RS57P01
M81659/67A2-0033	DSXN1RS67P01
M81659/67A2-0042	DSXN1RS106S01
M81659/67A2-0083	DSXN1RSD8P01
M81659/67A2-0103	DSXN1RS33C4P01
M81659/67A2-0135	DSXN1RXC8P01
M81659/67A2-0139	DSXN1RS32C2P01
M81659/67A2-0141	DSXN1RS40C1P01
M81659/67A2-0149	DSXN1RS32C4P01
M81659/68A2-0001	DSXN1RS26P23
M81659/68A2-0009	DSXN1RS40P23
M81659/68A2-0017	DSXN1RS45P23
M81659/68A2-0025	DSXN1RS57P23
M81659/68A2-0033	DSXN1RS67P23
M81659/68A2-0042	DSXN1RS106S23
M81659/68A2-0083	DSXN1RSD8P23
M81659/68A2-0103	DSXN1RS33C4P23
M81659/68A2-0135	DSXN1RXC8P23
M81659/68A2-0139	DSXN1RS32C2P23
M81659/68A2-0141	DSXN1RS40C1P23
M81659/68A2-0149	DSXN1RS32C4P23
M81659/69A2-0004	DSXN2PS26SS26S73
M81659/69A2-0012	DSXN2PS40SS40S73
M81659/69A2-0020	DSXN2PS45SS45S73
M81659/69A2-0028	DSXN2PS57SS57S73
M81659/69A2-0036	DSXN2PS67SS67S73
M81659/69A2-0043	DSXN2PS106PS106P73
M81659/69A2-0058	DSXN2PS106PS26S73
M81659/69A2-0060	DSXN2PS26SS106P73
M81659/69A2-0072	DSXN2PS67SS106P73
M81659/69A2-0088	DSXN2PS106PXC8S73
M81659/69A2-0090	DSXN2PS106PS67S73

MIL PART NUMBER	RADIALL PART NUMBER
M81659/69A2-0106	DSXN2PS33C4SS106P73
M81659/69A2-0108	DSXN2PS33C4SXC8S73
M81659/69A2-0110	DSXN2PXC2SS40C1S73
M81659/69A2-0112	DSXN2PXC2SS57S73
M81659/69A2-0114	DSXN2PXC3SS67S73
M81659/69A2-0116	DSXN2PXC3SS106P73
M81659/69A2-0118	DSXN2PXC8SS106P73
M81659/69A2-0122	DSXN2PS32C2SS40C1S73
M81659/69A2-0124	DSXN2PS32C2SS45S73
M81659/69A2-0126	DSXN2PS32C2SS57S73
M81659/69A2-0128	DSXN2PS32C2SS67S73
M81659/69A2-0130	DSXN2PS32C2SS106P73
M81659/69A2-0132	DSXN2PS40C1SS40C1S73
M81659/69A2-0134	DSXN2PS57SS106P73
M81659/69A2-0146	DSXN2PXC8SS57S73
M81659/69A2-0148	DSXN2PS57SS26S73
M81659/69A2-0152	DSXN2PS32C4SS106P73
M81659/69A2-0156	DSXN2PXC8SS32C4S73
M81659/69A2-0160	DSXN2PS32C4SXC8S73
M81659/70A2-0003	DSXN2RS26PS26P00
M81659/70A2-0011	DSXN2RS40PS40P00
M81659/70A2-0019	DSXN2RS45PS45P00
M81659/70A2-0027	DSXN2RS57PS57P00
M81659/70A2-0035	DSXN2RS67PS67P00
M81659/70A2-0044	DSXN2RS106SS106S00
M81659/70A2-0057	DSXN2RS106SS26P00
M81659/70A2-0059	DSXN2RS26PS106S00
M81659/70A2-0071	DSXN2RS67PS106S00
M81659/70A2-0087	DSXN2RS106SXC8P00
M81659/70A2-0089	DSXN2RS106SS67P00
M81659/70A2-0105	DSXN2RS33C4PS106S00
M81659/70A2-0107	DSXN2RS33C4PXC8P00
M81659/70A2-0109	DSXN2RXMC2S40C1P00
M81659/70A2-0111	DSXN2RXMC2PS57P00
M81659/70A2-0113	DSXN2RXMC3PS67P00
M81659/70A2-0115	DSXN2RXMC3PS106S00
M81659/70A2-0117	DSXN2RXC8PS106S00
M81659/70A2-0121	DSXN2RS32C2PS40C1P00
M81659/70A2-0123	DSXN2RS32C2PS45P00
M81659/70A2-0125	DSXN2RS32C2PS57P00
M81659/70A2-0127	DSXN2RS32C2PS67P00
M81659/70A2-0129	DSXN2RS32C2PS106S00
M81659/70A2-0131	DSXN2RS40C1PS40C1P00
M81659/70A2-0133	DSXN2RS57PS106S00
M81659/70A2-0145	DSXN2RXC8PS57P00
M81659/70A2-0147	DSXN2RS57PS26P00
M81659/70A2-0151	DSXN2RS32C4PS106S00
M81659/70A2-0155	DSXN2RXC8PS32C4P00
M81659/70A2-0159	DSXN2RS32C4PXC8P00
M81659/71A2-0003	DSXN2RS26PS26P01
M81659/71A2-0011	DSXN2RS40PS40P01
M81659/71A2-0019	DSXN2RS45PS45P01
M81659/71A2-0027	DSXN2RS57PS57P01

(continued)

FROM MILITARY TO RADIALL P/N

MIL PART NUMBER	RADIALL PART NUMBER
M81659/71A2-0035	DSXN2RS67PS67P01
M81659/71A2-0044	DSXN2RS106SS106S01
M81659/71A2-0057	DSXN2RS106SS26P01
M81659/71A2-0059	DSXN2RS26PS106S01
M81659/71A2-0071	DSXN2RS67PS106S01
M81659/71A2-0087	DSXN2RS106SXC8P01
M81659/71A2-0089	DSXN2RS106SS67P01
M81659/71A2-0105	DSXN2RS33C4PS106S01
M81659/71A2-0107	DSXN2RS33C4PXC8P01
M81659/71A2-0109	DSXN2RXMC2PS40C1P01
M81659/71A2-0111	DSXN2RXMC2PS57P01
M81659/71A2-0113	DSXN2RXMC3PS67P01
M81659/71A2-0115	DSXN2RXMC3PS106S01
M81659/71A2-0117	DSXN2RXC8PS106S01
M81659/71A2-0121	DSXN2RS32C2PS40C1P01
M81659/71A2-0123	DSXN2RS32C2PS45P01
M81659/71A2-0125	DSXN2RS32C2PS57P01
M81659/71A2-0127	DSXN2RS32C2PS67P01
M81659/71A2-0129	DSXN2RS32C2PS106S01
M81659/71A2-0131	DSXN2RS40C1PS40C1P01
M81659/71A2-0133	DSXN2RS57PS106S01
M81659/71A2-0145	DSXN2RXC8PS57P01
M81659/71A2-0147	DSXN2RS57PS26P01
M81659/71A2-0151	DSXN2RS32C4PS106S01
M81659/71A2-0155	DSXN2RXC8PS32C4P01
M81659/71A2-0159	DSXN2RS32C4PXC8P01
M81659/72A2-0003	DSXN2RS26PS26P23
M81659/72A2-0011	DSXN2RS40PS40P23
M81659/72A2-0019	DSXN2RS45PS45P23
M81659/72A2-0027	DSXN2RS57PS57P23
M81659/72A2-0035	DSXN2RS67PS67P23
M81659/72A2-0044	DSXN2RS106SS106S23
M81659/72A2-0057	DSXN2RS106SS26P23
M81659/72A2-0059	DSXN2RS26PS106S23
M81659/72A2-0071	DSXN2RS67PS106S23
M81659/72A2-0087	DSXN2RS106SXC8P23
M81659/72A2-0089	DSXN2RS106SS67P23
M81659/72A2-0105	DSXN2RS33C4PS106S23
M81659/72A2-0107	DSXN2RS33C4PXC8P23
M81659/72A2-0109	DSXN2RXMC2PS40C1P23
M81659/72A2-0111	DSXN2RXMC2PS57P23
M81659/72A2-0113	DSXN2RXMC3PS67P23
M81659/72A2-0115	DSXN2RXMC3PS106S23
M81659/72A2-0117	DSXN2RXC8PS106S23
M81659/72A2-0121	DSXN2RS32C2PS40C1P23
M81659/72A2-0123	DSXN2RS32C2PS45P23
M81659/72A2-0125	DSXN2RS32C2PS57P23
M81659/72A2-0127	DSXN2RS32C2PS67P23
M81659/72A2-0129	DSXN2RS32C2PS106S23
M81659/72A2-0131	DSXN2RS40C1PS40C1P23
M81659/72A2-0133	DSXN2RS57PS106S23
M81659/72A2-0145	DSXN2RXC8PS57P23
M81659/72A2-0147	DSXN2RS57PS26P23

MIL PART NUMBER	RADIALL PART NUMBER
M81659/72A2-0151	DSXN2RS32C4PS106S23
M81659/72A2-0155	DSXN2RXC8PS32C4P23
M81659/72A2-0159	DSXN2RS32C4PXC8P23

DSX F 4 R Y 40 P Y40P Y26P Y45P 00 01

Series _____

Class _____

F : front release front removable contacts, inserts without interfacial seal.

K : front release front removable contacts, inserts with interfacial seal.

Shell size _____

1 : one gang shell

2 : two gang shell

3 : three gang shell

4 : four gang shell

Shell type _____

R : receptacle

P : plug

Termination style _____

X : without contacts

V : wire wrap 2 levels

W : wire wrap 3 levels

Y : PC tail

Contact arrangement _____

(see notes 1 & 2)

to be chosen among the following : 26 - 40 - 45 - 57 - 67 - 33C4 - 106

Contact type _____

S : socket

P : pin

Gang B _____

Gang C _____

Gang D _____

Modification code _____

(see pages 18 to 20)

Polarization code _____

(see note 3 and pages 21 to 23)

Gang A

Notes :

1 For mixed contact arrangements, order coax contacts separately **see contacts available on page 36**. Coax contacts are rear release rear removable.

2 For 33C4 and 67 contact arrangements, size 16 contacts cavities are for front release front removable contacts.

Size 16 contacts are to be ordered separately.

3 Without polarization code : the connector is delivered with polarizing system unassembled

Polarization code 00 : the connector is delivered without polarizing system

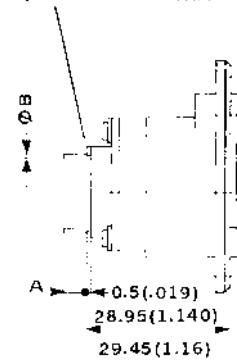
Polarization code from 01 to 216 : the connector is delivered with the polarization hardware assembled as defined by code.

CONTACTS WITH PC TAIL SIZES 22, 20HD & 16

Contacts are delivered installed in the connector.

Butt for printed circuit board

CONTACT SIZE	CONTACT ARRANGEMENT	PIN	SOCKET	INS / EXT TOOL	DIMENSIONS	
					A	B
22	106	/	620361	282500	.234/.265 (5.95/6.75)	.023 (.6)
20HD	40-45-67-33C4-57	616220	/	282503	.169/.200 (4.3/5.1)	
16 *	26-67-33C4	616235	/	282504	.140/.170 (3.55/4.32)	.039 (1.0)
		616235010	/		.400/.433 (10.20/11.00)	
		616234	/			

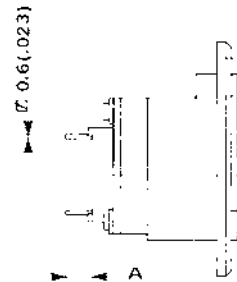


* front release front removable size 16 contacts pc tail termination are delivered installed only for 26 contact arrangement (which is fitted with 616235 contacts). For 67 and 33C4 contact arrangements front release front removable size 16 contacts must be ordered separately.

CONTACTS WITH WIRE WRAP POST SIZES 22 & 20HD

Contacts are delivered installed in the connector. For 67 and 33C4 contact arrangements, front release front removable size 16 contacts are not delivered with the connector. They must be ordered separately and chosen among size 16 PC tail contacts and 616326 size 16 solder cup contact (rear extension from insert = .173/.204 (4.4/5.2)).

CONTACT SIZE	AWG	CONTACT ARRANGEMENT	PIN	SOCKET	INS / EXT TOOL	DIMENSIONS
						A
22	26 28 30	106	/	620351 (2 wrap levels)	282500	.372/.412 (9.45/10.45)
				620352 (3 wrap levels)		.502/.541 (12.75/13.75)
20HD	26 28 30	40-45-67-33C4-57	616222 2 wrap levels	/	282503	.394/.433 (10/11)
			616224 3 wrap levels			.523/.563 (13.3/14.3)



COAXIAL CRIMP CONTACTS FOR 33C4 CONTACT ARRANGEMENTS SIZE 5

These coaxial contacts are rear release rear removable and designed to be installed in 33C4 contact arrangement class F or K. They must be ordered separately.

CONTACT SIZE	CONTACT ARRANGEMENT	CABLE	PIN	SOCKET	CENTER CONTACT			OUTER BODY			WIRING INSTR.
					CRIMPING TOOL RADIALL P/N (MIL P/N)	POSITIONER RADIALL P/N (MIL P/N)	SEL.	CRIMPING TOOL RADIALL P/N (MIL P/N)	DIE RADIALL P/N (MIL P/N)	HEX.	
5	33C4	Microdot 250.39.37	616126	/	282281 (M22520/2-01)	282974	7	282293 (M22520/5-01)	282246 (M22520/5-05)	B	B1 page 57
		RG178 KX21	616127	/							

TECHNICAL CHARACTERISTICS

See pages 6 and 7

POLARIZATION CODE

See pages 21 to 23

MODIFICATION CODE

See pages 18 to 20

ACCESSORIES

See pages 24 and 25