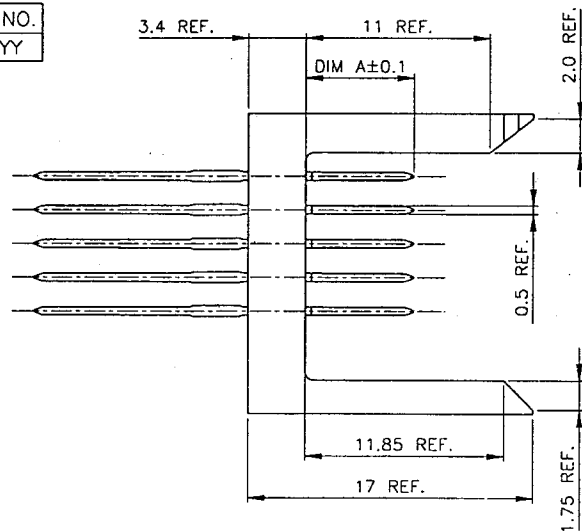
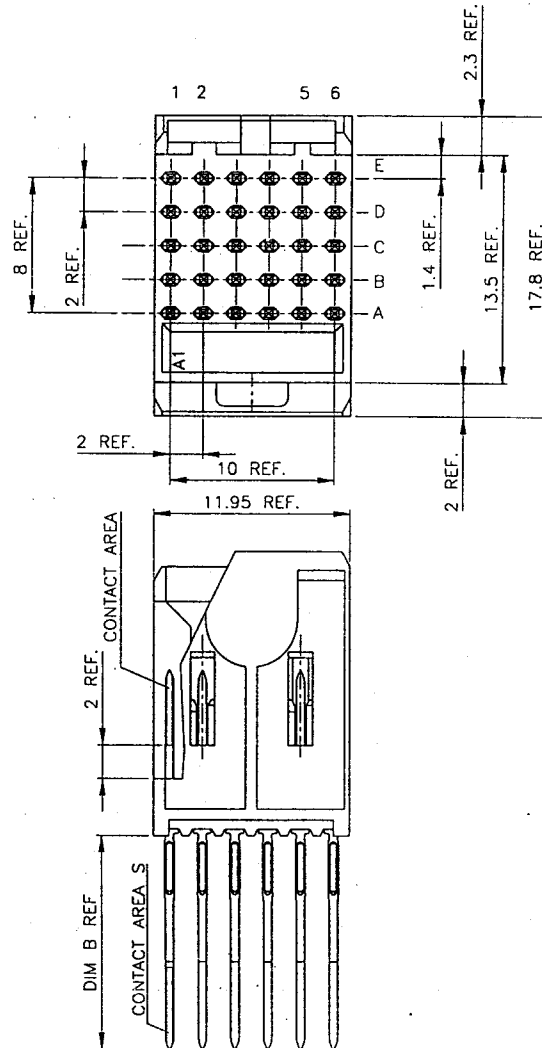
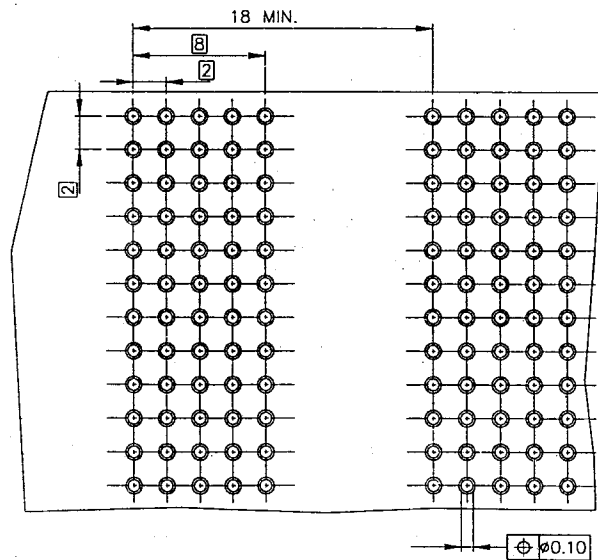


Controlled Distribution
→ IF RED ←

PRODUCT NO.
89006-YYY



RECOMMENDED PC BOARD LAYOUT
COMPONENT SIDE



NOTES:

- 1 BODY MAT'L: LIQUID CRYSTAL POLYMER
30% GLASS
FLAME RETARDANT ACC. UL 94-V0
- 2 PIN MAT'L: PHOSPHOR BRONZE
- 3 CONTACT AREA S ONLY FOR
REAR PLUG-UP.
- 4 PLATING ON PRESS FIT AREA SnPb.
- 5 PRODUCT MARKING: PART NUMBER
& BATCH I.D.
- 6 FOR MORE ROW LOADINGS SEE 85838
- 7 THESE LOADINGS (DASH NUMBERS)
ARE APPLICABLE FOR CONNECTORS: 89007 (24mm)
89008 (48mm)
89009 (96mm)
- 8 THIS PLATING HAS BEEN QUALIFIED TO THE
CRITERIA FOR QUALITY LEVEL III FOR THE
UNCONTROLLED ENVIRONMENT AS DEFINED BY
BELLCORE SPECIFICATION TR-NWT-001217
ISSUE 1

PRESS-FIT HOLES	
HOLE DIAMETER AFTER PLATING	0.65 - 0.80
DRILLED HOLE	0.81 - 0.86 (0.85 DRILL)
COPPER PLATING	0.025 MIN.
TIN PLATING	0.005 - 0.015

PLATING IN CONTACT AREA		
PLATING CODE	THICKNESS	UNDERPLATING
-1YY	0.8 µm GOLD	1.3 µm Ni min.
-2YY	2.0 µm GOLD	1.3 µm Ni min.
-3YY	1.3 µm GOLD	1.3 µm Ni min.
-5YY	SEE NOTE 8	SEE NOTE 8
-9YY	0.8 µm GXT	1.3 µm Ni min.

MATERIAL CODE		TOLERANCES UNLESS OTHERWISE SPECIFIED		CUSTOMER COPY		BERG ELECTRONICS	
Y	H70383	BKU	970617	linear	projection	title	5R Straight Header
AA	H70653	RMA	971001	angles	mm	product family	SIGNAL P.F. H.T. 12mm
AB	H70709	DOB	971020	mm	scale	size dwg no	213
V	H70024	DOB	970110	mm	scale	code	1 of 5
W	H70266	DOB	970415	mm	scale	code	1 of 5
X	H70300	DOB	970505	mm	scale	code	1 of 5
Sheet	revision	AB	J	H	F	B	
Index	sheet	1	2	3	4	5	

Controlled Distribution
→ IF RED ←

PRODUCT NUMBER	ROW	DIM A	DIM B
89006-X10	E	5.00	4.30
	D	5.00	4.30
	C	5.00	4.30
	B	5.00	4.30
	A	5.00	4.30
89006-X11	E	6.50	4.30
	D	6.50	4.30
	C	6.50	4.30
	B	6.50	4.30
	A	6.50	4.30
89006-X12	E	7.25	4.30
	D	6.50	4.30
	C	6.50	4.30
	B	5.00	4.30
	A	5.00	4.30
89006-X13	E	7.25	4.30
	D	8.00	4.30
	C	7.25	4.30
	B	7.25	4.30
	A	7.25	4.30
89006-X14	E	7.25	4.30
	D	6.50	4.30
	C	7.25	4.30
	B	7.25	4.30
	A	7.25	4.30
89006-X15	E	5.00	4.30
	D	5.00	4.30
	C	5.00	4.30
	B	5.00	4.30
	A	6.50	4.30
89006-X16	E	5.75	4.30
	D	5.75	4.30
	C	5.75	4.30
	B	5.75	4.30
	A	5.75	4.30
89006-X17	E	5.75	4.30
	D	5.75	4.30
	C	5.75	4.30
	B	5.75	4.30
	A	8.00	4.30
89006-X19	E	7.25	4.30
	D	7.25	4.30
	C	7.25	4.30
	B	7.25	4.30
	A	7.25	4.30

NO REAR PLUG-UP

PRODUCT NUMBER	ROW	DIM A	DIM B
89006-X20	E	5.00	13.60
	D	5.00	13.60
	C	5.00	13.60
	B	5.00	13.60
	A	5.00	13.60
89006-X21	E	6.50	13.60
	D	6.50	13.60
	C	6.50	13.60
	B	6.50	13.60
	A	6.50	13.60
89006-X22	E	7.25	13.60
	D	6.50	13.60
	C	6.50	13.60
	B	5.00	13.60
	A	5.00	13.60
89006-X23	E	7.25	13.60
	D	8.00	13.60
	C	7.25	13.60
	B	7.25	13.60
	A	7.25	13.60
89006-X24	E	7.25	13.60
	D	6.50	13.60
	C	7.25	13.60
	B	7.25	13.60
	A	7.25	13.60
89006-X25	E	5.00	13.60
	D	5.00	13.60
	C	5.00	13.60
	B	5.00	13.60
	A	6.50	13.60
89006-X26	E	5.75	13.60
	D	5.75	13.60
	C	5.75	13.60
	B	5.75	13.60
	A	5.75	13.60
89006-X27	E	5.75	13.60
	D	5.75	13.60
	C	5.75	13.60
	B	5.75	13.60
	A	8.00	13.60
89006-X29	E	7.25	13.60
	D	7.25	13.60
	C	7.25	13.60
	B	7.25	13.60
	A	7.25	13.60

REAR PLUG-UP
OR WIRE WRAP

PRODUCT NUMBER	ROW	DIM A	DIM B
89006-X30	E	5.00	17.00
	D	5.00	17.00
	C	5.00	17.00
	B	5.00	17.00
	A	5.00	17.00
89006-X31	E	6.50	17.00
	D	6.50	17.00
	C	6.50	17.00
	B	6.50	17.00
	A	6.50	17.00
89006-X32	E	7.25	17.00
	D	6.50	17.00
	C	6.50	17.00
	B	5.00	17.00
	A	5.00	17.00
89006-X33	E	7.25	17.00
	D	8.00	17.00
	C	7.25	17.00
	B	7.25	17.00
	A	7.25	17.00
89006-X34	E	7.25	17.00
	D	6.50	17.00
	C	7.25	17.00
	B	7.25	17.00
	A	7.25	17.00
89006-X35	E	5.00	17.00
	D	5.00	17.00
	C	5.00	17.00
	B	5.00	17.00
	A	6.50	17.00
89006-X36	E	5.75	17.00
	D	5.75	17.00
	C	5.75	17.00
	B	5.75	17.00
	A	5.75	17.00
89006-X37	E	5.75	17.00
	D	5.75	17.00
	C	5.75	17.00
	B	5.75	17.00
	A	8.00	17.00
89006-X39	E	7.25	17.00
	D	7.25	17.00
	C	7.25	17.00
	B	7.25	17.00
	A	7.25	17.00

REAR PLUG-UP
AND WIRE WRAP

mat'l. code				tolerances unless otherwise specified				CUSTOMER COPY		BERG ELECTRONICS	
l/r	ecn no	dr	date	linear		angles		projection	title		
H	H60184	RVI	960313	linear					5R Straight Header		
J	H70266	DOB	970415						SIGNAL P.F. H.T. 12 mm		
D	V41784	RVI	941121	dr	H v Woensel	920716		mm	product family		code
E	V41834	RVI	941128	enr	H v Woensel	920716			METRAL (tm)		213
F	H50039	RVI	950118	chr	P Schalk	920720		scale	size		sheet
G	V50543	RVI	950410	appd	H Cooijmans	950410			A3		2 of -
sheet index	revision sheet										

Controlled Distribution
→ IF RED ←

PRODUCT NUMBER	ROW	DIM A	DIM B
89006-X40	E	5.75	4.30
	D	5.75	4.30
	C	5.75	4.30
	B	7.25	4.30
	A	5.75	4.30
89006-X41	E	5.75	4.30
	D	5.00	4.30
	C	5.75	4.30
	B	5.75	4.30
	A	6.50	4.30
89006-X42	E	5.75	4.30
	D	7.25	4.30
	C	7.25	4.30
	B	6.50	4.30
	A	7.25	4.30
89006-X43	E	5.75	4.30
	D	5.75	4.30
	C	5.75	4.30
	B	5.75	4.30
	A	7.25	4.30
89006-X44	E	5.00	4.30
	D	6.50	4.30
	C	7.25	4.30
	B	6.50	4.30
	A	5.00	4.30
89006-X45	E	5.00	4.30
	D	8.00	4.30
	C	5.00	4.30
	B	8.00	4.30
	A	5.00	4.30
89006-X46	E	5.75	4.30
	D	5.75	4.30
	C	7.25	4.30
	B	5.75	4.30
	A	5.75	4.30
89006-X47	E	5.75	4.30
	D	6.50	4.30
	C	5.75	4.30
	B	5.75	4.30
	A	6.50	4.30
89006-X48	E	8.00	4.30
	D	8.00	4.30
	C	8.00	4.30
	B	8.00	4.30
	A	8.00	4.30

PRODUCT NUMBER	ROW	DIM A	DIM B	
89006-X50	E	5.75	13.60	REAR PLUG-UP OR WIRE WRAP
	D	5.75	13.60	
	C	5.75	13.60	
	B	7.25	13.60	
	A	5.75	13.60	
89006-X51	E	5.75	13.60	
	D	5.00	13.60	
	C	5.75	13.60	
	B	5.75	13.60	
	A	6.50	13.60	
89006-X52	E	5.75	13.60	
	D	7.25	13.60	
	C	7.25	13.60	
	B	6.50	13.60	
	A	7.25	13.60	
89006-X53	E	5.75	13.60	
	D	5.75	13.60	
	C	5.75	13.60	
	B	5.75	13.60	
	A	7.25	13.60	
89006-X54	E	5.00	13.60	
	D	6.50	13.60	
	C	7.25	13.60	
	B	6.50	13.60	
	A	5.00	13.60	
89006-X55	E	5.00	13.60	
	D	8.00	13.60	
	C	5.00	13.60	
	B	8.00	13.60	
	A	5.00	13.60	
89006-X56	E	5.75	13.60	
	D	5.75	13.60	
	C	7.25	13.60	
	B	5.75	13.60	
	A	5.75	13.60	
89006-X57	E	5.75	13.60	
	D	6.50	13.60	
	C	5.75	13.60	
	B	5.75	13.60	
	A	6.50	13.60	
89006-X58	E	8.00	13.60	
	D	8.00	13.60	
	C	8.00	13.60	
	B	8.00	13.60	
	A	8.00	13.60	

PRODUCT NUMBER	ROW	DIM A	DIM B	
89006-X60	E	5.75	17.00	REAR PLUG-UP AND WIRE WRAP
	D	5.75	17.00	
	C	5.75	17.00	
	B	7.25	17.00	
	A	5.75	17.00	
89006-X61	E	5.75	17.00	
	D	5.00	17.00	
	C	5.75	17.00	
	B	5.75	17.00	
	A	6.50	17.00	
89006-X62	E	5.75	17.00	
	D	7.25	17.00	
	C	7.25	17.00	
	B	6.50	17.00	
	A	7.25	17.00	
89006-X63	E	5.75	17.00	
	D	5.75	17.00	
	C	5.75	17.00	
	B	5.75	17.00	
	A	7.25	17.00	
89006-X64	E	5.00	17.00	
	D	6.50	17.00	
	C	7.25	17.00	
	B	6.50	17.00	
	A	5.00	17.00	
89006-X65	E	5.00	17.00	
	D	8.00	17.00	
	C	5.00	17.00	
	B	5.00	17.00	
	A	5.00	17.00	
89006-X66	E	5.75	17.00	
	D	5.75	17.00	
	C	7.25	17.00	
	B	5.75	17.00	
	A	5.75	17.00	
89006-X67	E	5.75	17.00	
	D	6.50	17.00	
	C	5.75	17.00	
	B	5.75	17.00	
	A	6.50	17.00	
89006-X68	E	8.00	17.00	
	D	8.00	17.00	
	C	8.00	17.00	
	B	8.00	17.00	
	A	8.00	17.00	

mat'l code --				tolerances unless otherwise specified		CUSTOMER COPY		BERG ELECTRONICS			
lfr	ecn no	dr	date	linear		projection 	title 5R STRAIGHT HEADER SIGNAL P.F. H.T. 12 mm				
H	H60184	RVI	960313								
				angles		 mm	product family METRAL (tm)	code			
D	V50850	RVI	950622	dr	R. VISSCHERS			941128	213		
E	V50910	RVI	950719	engr	E. FEIJEN	941128	size	dwg no		sheet	
F	V50912	RVI	950720	chr	E. FEIJEN	941128	scale	A3		3 of -	
G	H60108	RVI	960209	appd	H. COOIJMANS	950410	1:1	89006			
sheet index	revision sheet										

Controlled Distribution
→ IF RED ←

PRODUCT NUMBER	ROW	DIM A	DIM B
89006-X49	E	7.25	4.30
	D	6.50	4.30
	C	6.50	4.30
	B	6.50	4.30
89006-X70	A	8.00	4.30
	E	5.75	4.30
	D	5.75	4.30
	C	6.50	4.30
89006-X71	B	5.75	4.30
	A	5.75	4.30
	E	6.50	4.30
	D	8.00	4.30
89006-X72	C	6.50	4.30
	B	8.00	4.30
	A	6.50	4.30
	E	8.00	4.30
89006-X73	D	5.00	4.30
	C	5.00	4.30
	B	5.00	4.30
	A	8.00	4.30
89006-X74	E	7.25	4.30
	D	7.25	4.30
	C	7.25	4.30
	B	7.25	4.30
89006-X75	A	8.25	4.30
	E	8.25	4.30
	D	7.25	4.30
	C	6.50	4.30
89006-X76	B	7.25	4.30
	A	8.25	4.30
	E	6.50	4.30
	D	5.00	4.30
89006-X77	C	5.00	4.30
	B	5.00	4.30
	A	7.25	4.30
	E	6.50	4.30

NO REAR PLUG-UP

PRODUCT NUMBER	ROW	DIM A	DIM B
89006-X59	E	7.25	13.60
	D	6.50	13.60
	C	6.50	13.60
	B	6.50	13.60
89006-X80	A	8.00	13.60
	E	5.75	13.60
	D	5.75	13.60
	C	6.50	13.60
89006-X81	B	5.75	13.60
	A	5.75	13.60
	E	6.50	13.60
	D	8.00	13.60
89006-X82	C	6.50	13.60
	B	8.00	13.60
	A	6.50	13.60
	E	8.00	13.60
89006-X83	D	5.00	13.60
	C	5.00	13.60
	B	5.00	13.60
	A	8.00	13.60
89006-X84	E	7.25	13.60
	D	7.25	13.60
	C	7.25	13.60
	B	7.25	13.60
89006-X85	A	8.25	13.60
	E	8.25	13.60
	D	7.25	13.60
	C	6.50	13.60
89006-X86	B	7.25	13.60
	A	8.25	13.60
	E	6.50	13.60
	D	5.00	13.60
89006-X87	C	5.00	13.60
	B	5.00	13.60
	A	7.25	13.60
	E	6.50	13.60

REAR PLUG-UP
OR WIRE WRAP

PRODUCT NUMBER	ROW	DIM A	DIM B
89006-X69	E	7.25	17.00
	D	6.50	17.00
	C	6.50	17.00
	B	6.50	17.00
89006-X90	A	8.00	17.00
	E	5.75	17.00
	D	5.75	17.00
	C	6.50	17.00
89006-X91	B	5.75	17.00
	A	5.75	17.00
	E	6.50	17.00
	D	8.00	17.00
89006-X92	C	6.50	17.00
	B	8.00	17.00
	A	6.50	17.00
	E	8.00	17.00
89006-X93	D	5.00	17.00
	C	5.00	17.00
	B	5.00	17.00
	A	8.00	17.00
89006-X94	E	7.25	17.00
	D	7.25	17.00
	C	7.25	17.00
	B	7.25	17.00
89006-X95	A	8.25	17.00
	E	8.25	17.00
	D	7.25	17.00
	C	6.50	17.00
89006-X96	B	7.25	17.00
	A	8.25	17.00
	E	6.50	17.00
	D	5.00	17.00
89006-X97	C	5.00	17.00
	B	5.00	17.00
	A	7.25	17.00
	E	6.50	17.00

REAR PLUG-UP
AND WIRE WRAP

mat'l. code				tolerances unless otherwise specified		CUSTOMER COPY		BERG ELECTRONICS	
l/r	ec'n no	dr	date	linear		projection	title	5R STRAIGHT HEADER SIGNAL P.F. H.T. 12 mm	
A	H60184	RM	960313						
B	H60291	RM	960502						
C	H60329	RM	960522	angles					
D	H70024	DOB	970110	dr	R VISSCHERS	960313	mm	product family	METRAL (tm)
E	H70300	DOB	970505	enr	P SCHALK	960313	size	dwg no	213
F	H70383	BKU	970616	chr	P SCHALK	960313	scale		
				appd	P SCHALK	960313	1:1	A3	89006
sheet index	revision	sheet							

Controlled Distribution
→ IF RED ←

[illegible][illegible][illegible]

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BERG
ELECTRONICS

It's not a matter of if, it's a matter of when. And when it comes to the future of the U.S. economy, the answer is now.

matl. code				tolerances unless otherwise specified		CUSTOMER COPY					

lfr	ecn no	dr	date	linear		projection 		title 5R STRAIGHT HEADER SIGNAL P.F. H.T. 12 mm			
A	H70383	BKU	970617								
				angles		mm 		product family METRAL (tm) code size dwg no 213			
		dr		R VISSCHERS	960313	scale 1:1		sheet 5 of -			
		engr		P SCHALK	960313						
		chr		P SCHALK	960313						
		appd		P SCHALK	960313						
sheet index		revision		sheet							