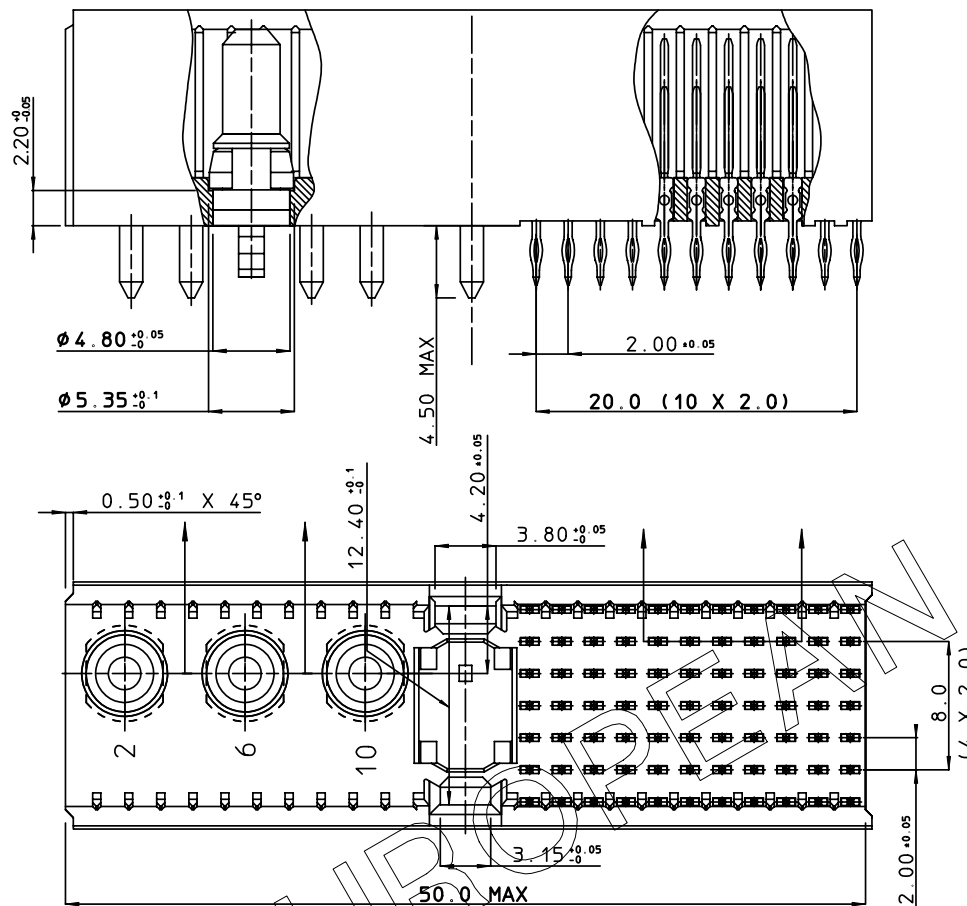
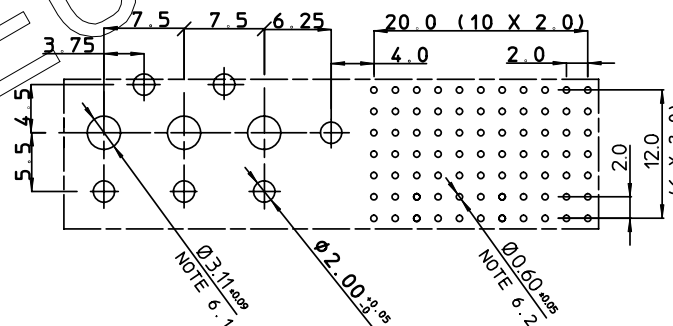
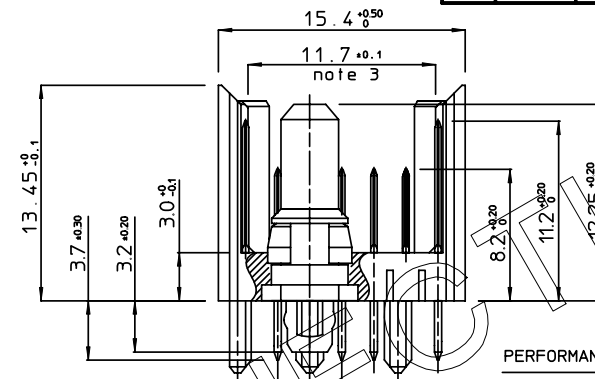


GEN. ST.	01		02		03		04		05		06		07		08		0D		50		60		70		80		90				
INT. ST.	10	11	12	13	14	18	20	31	32	33	34	38	39	40	42	43	44	45	46	48	56	70	72	73	75	76	81	82	83	84	88

REV.	DATE	DESCRIPTION	BY	C'K'D'
A	2001-09-14	CONVERSION REVISION 01	KN	
B	2005-11-04	105-0212	ALEX B	BKP
C	2006-07-05	106-0096	VIVEK	BKP

PCB HOLE
LAY-OUTTHIS IS OUR EXCLUSIVE PROPERTY. IT IS NOT TO BE COPIED, REPRINTED
OR DISCLOSED TO A THIRD PARTY, NOR USED FOR MANUFACTURING WITHOUT
OUR WRITTEN CONSENT, AND HAS TO BE RETURNED TO US IN CASE OF NO USAGEDIT IS ONZE EIGENDOM EN MAG NOCH NAGEMAKT. HERDRUKT, OVERGEMAKT AAN
DEREN, NOCH VOOR FABRIKATIE GEBRUIKT WORDEN, ZONDER ONZE SCHRIFTELIJKE
TOELATING. BIJ NIET GEBRUIK IS TERUGZENDING VERPLICHT.

PERFORMANCE CHARACTERISTICS (SIGNAL CONTACTS)

CURRENT RATING : 1.5 A AT 20°C (FULLY LOADED)
 1 A AT 70°C (FULLY LOADED)
 RATED VOLTAGE : 500 V AC (CONT / CONT)
 OPERATING TEMPERATURE : -55°C TO 125°C
 CONTACT RESISTANCE : 20 mΩ MAX
 INSERTION FORCE : 0.75 N MAX / CONT
 EXTRACTION FORCE : 0.15 N MIN / CONT
 INSULATION RESISTANCE : 10⁴ MΩ MIN

NOTES

1. PLATING: -

-POWER CONTACTS -> 1.5 μm Au over 2.0 μm Ni

LEAD FREE INDICATOR : LF=LEAD FREE
(DIGIT 15 & 16)

-SIGN.CONT.-> HM2A31PG5000

PLATING CODE (DIGIT 13 AND 14)

2. THIS PRODUCT IS CSA APPROVED. (REF DRW No BS,C ,2018444,003)
THIS PRODUCT IS UL RECOGNIZED.

3. MEASURED AT THE BOTTOM.

4. FOR PRE-ASSEMBLED POWER PRESS-FIT CONTACT DETAIL, SEE DRAWING NR.:
- BS.A,201624,017

5. ALLOWED PCB THICKNESS: MIN. 1.8 MM.

6. PCB HOLE DEFINITION:

6.1 FOR PTH DETAILS OF POWER CONTACTS

Ø drilled hole	Cu plating	SnPb/Sn plating	Ø finished hole
3.19 - 3.25	25 μm min.	5 μm min.	3.02 - 3.20

6.2 FOR PTH DETAILS OF SIGNAL CONTACTS REFER BS.A ,201572,001

7. THE PRODUCT (LF) MEETS EUROPEAN UNION DIRECTIVES AND OTHER
COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008

MALE SIGNAL STRAIGHT PRESS-FIT-TO-BOARD CONNECTOR

WITH PRE-ASSEMBLED POWER PRESS-FIT CONTACTS

1DEC ± 0.2 2DEC ± 0.1 ANGLES ± 1°	APPR. DRAFT CHECKED	DATE 1997-12-19	SIGN. W. Panis	MILLIPACS 2 / TYPE M / PRE-ASS. CONN.
WE RESERVE THE RIGHT TO CHANGE DIMENSIONS OR REQUIREMENTS WITHOUT PRIOR NOTICE.	PROD. MGR. PR. ENG. MGR. PR. MGT. MGR.			CAT. No. HM2A31PG5001----
ALL DIMENSIONS IN MM				www.fciconnect.com

REFERENCES



BS,C ,201632,028

C

PDM: Rev:C

STATUS: Released

CUSTOMER DRAWING REVISION
Printed: Dec 01, 2007

GEN. ST.		01		02		03		04		05		06		07		08		0D		50		60		70		80		90				
INT. ST.		10	11	12	13	14	18	20	31	32	33	34	38	39	40	42	43	44	45	46	48	56	70	72	73	75	76	81	82	83	84	88

REV.	DATE	DESCRIPTION	BY	C'K'D'
D	2005-06-01	105-0083	ALEX B	BKP
E	2006-08-03	106-0119	ALEX B	BKP
F	2007-04-11	107-0049	ALEX B	BKP
G	2007-05-17	107-0058	ALEX B	BKP

MILLIPACS : CONTACT PLATING CODE OVERVIEW

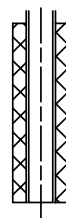
HM2---P------(L-)(LF)

FOR LEAD FREE PLATING
OPTIONAL (NOTE 1)
PLATING CODE (DIGIT 13 AND 14)

PLATING CODE	DESCRIPTION	PERFORMANCE
L9	MALE CONN.: SHORT / WIRE WRAP CONT. FEMALE CONNECTOR	TELCORDIA UE
E9	MALE CONN.: SHORT / WIRE WRAP CONT. FEMALE CONNECTOR	PERFORMANCE LEVEL 1 (500 mating cycles)
N9	MALE CONN.: SHORT / WIRE WRAP CONT. FEMALE CONNECTOR	PERFORMANCE LEVEL 2 (250 mating cycles)/ TELCORDIA CO
Z1	MALE CONN.: SHORT / WIRE WRAP CONT. FEMALE CONNECTOR	PERFORMANCE LEVEL 3 (50 mating cycles)
GE	MALE CONN.: REAR PLUG-UP CONTACTS	TELCORDIA UE
GL	MALE CONN.: REAR PLUG-UP CONTACTS	PERFORMANCE LEVEL 1 (500 mating cycles)
GF	MALE CONN.: REAR PLUG-UP CONTACTS	PERFORMANCE LEVEL 2 (250 mating cycles)/ TELCORDIA CO
GC	MALE CONN.: REAR PLUG-UP CONTACTS	PERFORMANCE LEVEL 3 (50 mating cycles)

NOTE :

- IN CASE OF STR HDR CONNECTORS :
EXTENSIONS CAN BE ADDED TO THE PLATING CODE
IF LUBRICATED CONTACTS ARE REQUIRED
L : LUBRICATED
L1: LUBRICATED TO MEET TELCORDIA GR-1217 CORE REQUIREMENTS
- PLATING AT EON AREA
LF : Sn MATT FINISH PLATING
ALL OTHER PART NOS : SnPb PLATING
- FOR PRODUCT SPEC. REFER GS-12-203



REF NOTE 2 FOR
EON PLATING

1DEC $\pm 0,2$ 2DEC $\pm 0,1$ ANGLES $\pm 1^\circ$	APPR. DRAFT CHECKED	DATE 2003-03-21	SIGN. M.Fret	MPACS CONTACT PLATING OVERVIEW	
WE RESERVE THE RIGHT TO CHANGE DIMENSIONS OR REQUIREMENTS WITHOUT PRIOR NOTICE.	PROD. MGR. PR. ENG. MGR. PR. MGT. MGR.			CAT. No. HM2---P------(L-)	
ALL DIMENSIONS IN MM	REFERENCES			FCI www.fciconnect.com	
				SCALE	
				BS,C ,201844,003	
				G	
				PDM: Rev:G	
				STATUS: Released	
				CUSTOMER DRAWING REVISION	
				Printed: Dec 02, 2007	