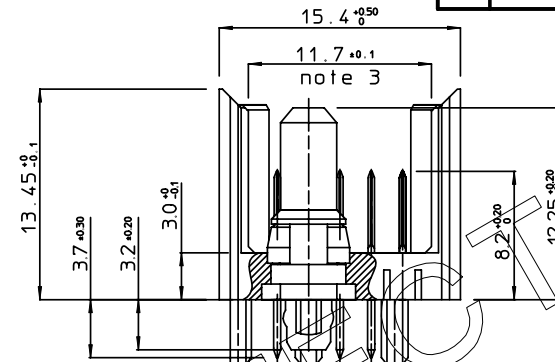
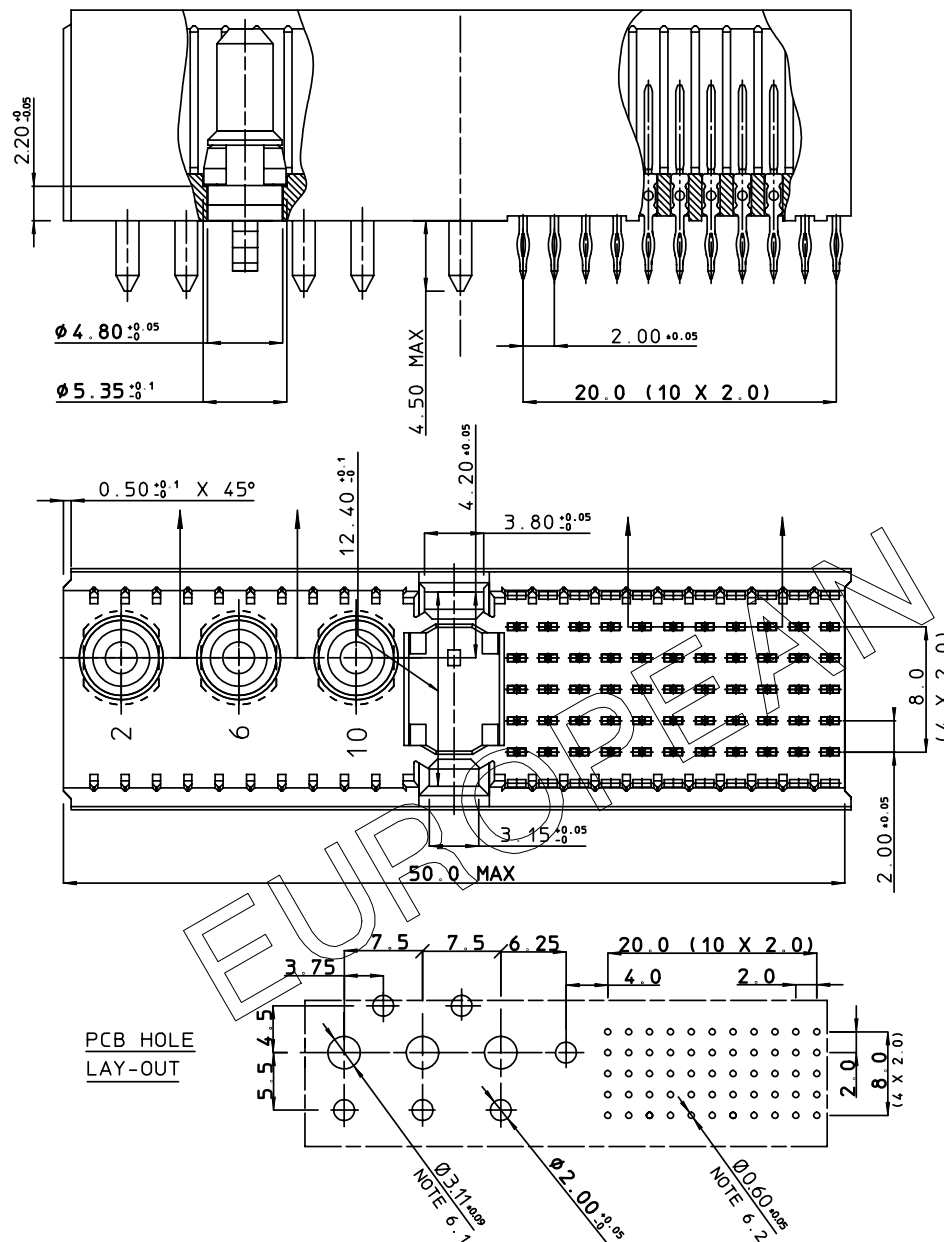




PERFORMANCE CHARACTERISTICS (SIGNAL CONTACTS)

1.5 A AT 20°C (FULLY LOADED)

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 : 10^4 MO 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
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1DEC ±0.2	APPR.	DATE	SIGN.	MILLIPACS 2 / TYPE M / PRE-ASS. CONN.	
2DEC ±0.1	DRAFT	1997-12-19	W. Panis	CAT. No. HM2A31PG5000----	
ANGLES ±1°	CHECKED			 www.fciconnect.com	SCALE
WE RESERVE THE RIGHT TO CHANGE DIMENSIONS OR REQUIREMENTS WITHOUT PRIOR NOTICE.	PROD. MGR.				3/1
ALL DIMENSIONS IN MM	PR. ENG. MGR.				
	PR. MGT. MGR.				

REFERENCES



BS, C , 201632, 027

C

DRAWING No.	CUSTOMER DRAWING	REVISION
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DIT IS ONZE EIGENDOM EN MAG NOCH NAGEMAAKT, HERDRUKT, OVERGEMAAKT AAN DERDEN, NOCH VOOR FABRIKATIE GEBRUIKT WORDEN, ZONDER ONZE SCHRIFTELIJKE TOELATING. BIJ NIET GEBRUIK IS TERUGZENDING VERPLICHT.