

1

2

3

4

A

B

C

D

A

B

C

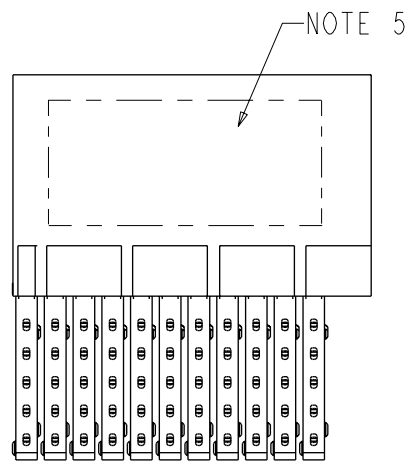
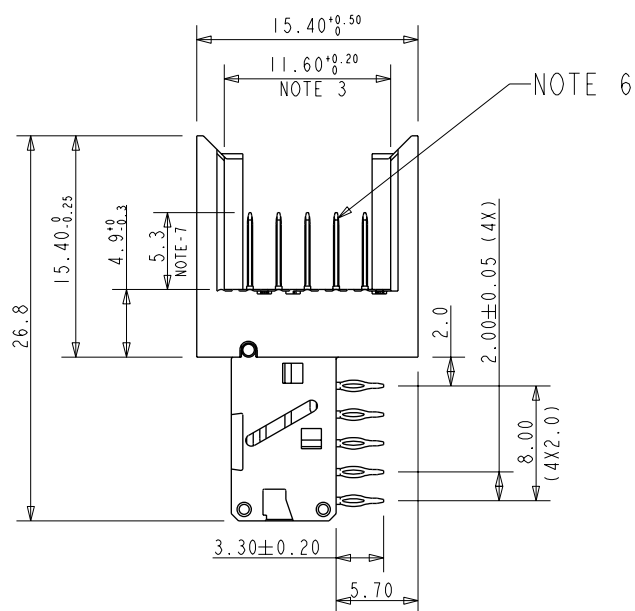
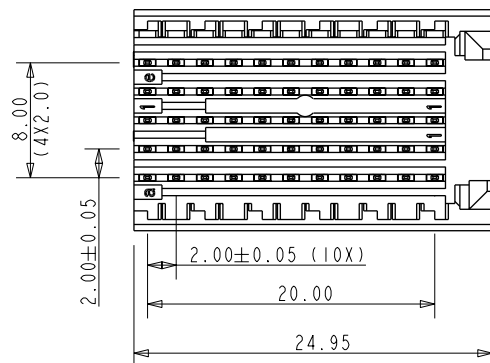
D

PERFORMANCE CHARACTERISTICS :

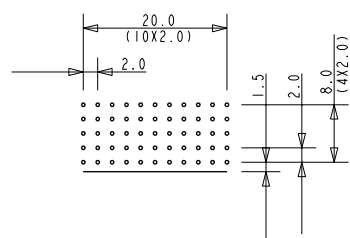
CURRENT RATING : 1.5A AT 20°C (FULLY LOADED)  
 1A AT 70°C (FULLY LOADED)  
 RATED VOLTAGE : 500V AC (CONT / CONT)  
 OPERATING TEMPERATURE : -55°C TO 125°C  
 CONTACT RESISTANCE : 25mΩ MAX.  
 INSERTION FORCE : 0.75 N MAX / CONT  
 EXTRACTION FORCE : 0.15 N MIN / CONT  
 INSULATION RESISTANCE : 10<sup>4</sup> MΩ MIN.

NOTES :

- CSA CERTIFIED, FILE NUMBER LR 44961-51.
- UL APPROVED, FILE NUMBER E31151.
- MEASURED AT THE BOTTOM.
- MATERIAL CONTACT : PHOSPHORBRONZE.  
HOUSING : LCP 30% GLASS-FILLED.
- CONNECTOR PRINTED WITH P/N AND DATE CODES.
- FOR ACTUAL CONTACT LOADINGS, SEE LOADING PATTERN MATING SIDE.)
- 4 = LEVEL 1 (5.30)  
5 = LEVEL 2 (6.80)  
6 = LEVEL 3 (8.30)
- LEAD FREE INDICATOR : LF = LEAD FREE
- 'HM2J09PE5110' PERFORMANCE LEVEL INDICATOR (Ref DWG No BS,C ,201844,003)
- FOR RECOMMENDED PTH DIMENSIONS REFER DRAWING : BS,A ,201572,001
- THIS PRODUCT (LF) MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008



PCB HOLE LAY-OUT



LOADING PATTERN : MATING SIDE

|   |   |   |   |   |   |   |   |   |   |    |    |
|---|---|---|---|---|---|---|---|---|---|----|----|
| F | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0  |
| E | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4  | 4  |
| D | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4  | 4  |
| C | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4  | 4  |
| B | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4  | 4  |
| A | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4  | 4  |
| Z | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0  |
|   | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |

|                    |           |            |  |                                |                     |         |              |
|--------------------|-----------|------------|--|--------------------------------|---------------------|---------|--------------|
| www.fciconnect.com |           |            | surface - <input checked="" type="checkbox"/> ISO 1302 | tolerance std ISO 406 ISO 1101 | projection          | mm      |              |
|                    |           |            | TOLERANCES UNLESS OTHERWISE SPECIFIED                  |                                |                     |         |              |
| Dr                 | N.Otto    | 2000-04-28 | ANGULAR<br>0° ±1°                                      | 0.X                            | ±0.2                | size A3 | Scale 1/1    |
| Eng                | N.Otto    | 2000-04-28 |  | 0.XX                           | ±0.1                |         |              |
| Chr                | Alex Babu | 2008-04-24 |  | 0.XXX                          | ±0.05               |         |              |
| Appr               | Alex Babu | 2008-04-24 | Product family   | MILLIPACS                      | Spec ref            | -       |              |
| FCI                |           |            | title MPACS RA HDR                                     |                                | dwg no BSC202767012 |         | Rev. F       |
|                    |           |            | type C, not shielded                                   |                                |                     |         |              |
|                    |           |            | catalog no HM2J09PE5110----                            |                                | CUSTOMER COPY       |         | sheet 1 of 1 |

| rev | ecn no    | dr  | date       |
|-----|-----------|-----|------------|
| A   | CONV R0   | GNV | 2002-08-28 |
| B   | EC B20190 | MF  | 2002-11-21 |
| C   | 105-0108  | AB  | 2005-06-29 |
| D   | 106-0107  | AB  | 2006-07-12 |
| E   | 107-0034  | AB  | 2007-03-07 |
| F   | 108-0050  | AB  | 2008-04-24 |
| -   | -         | -   | -          |



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