

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 :

1. UL APPROVED WITH USR AND CNR.
2. MEASURED AT THE BOTTOM.
3. MATERIAL CONTACT : PHOSPHORBRONZE.  
HOUSING : LCP 30% GLASS-FILLED.
4. CONNECTOR PRINTED WITH P/N AND DATE CODES.
5. FOR ACTUAL CONTACT LOADINGS, SEE LOADING PATTERN MATING SIDE.)
6. 4 = LEVEL 1 (5.30)  
5 = LEVEL 2 (6.80)  
6 = LEVEL 3 (8.30)

LEAD FREE INDICATOR : LF = LEAD FREE

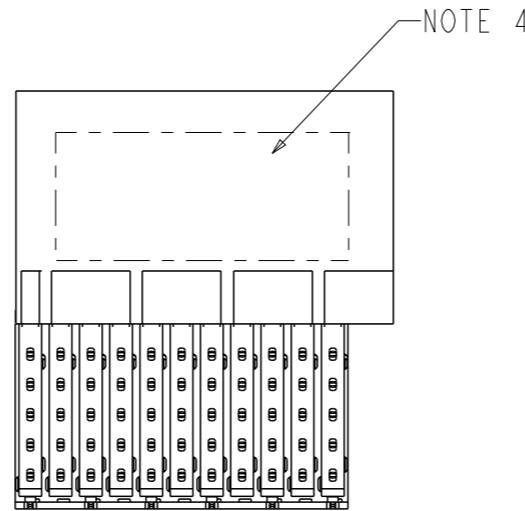
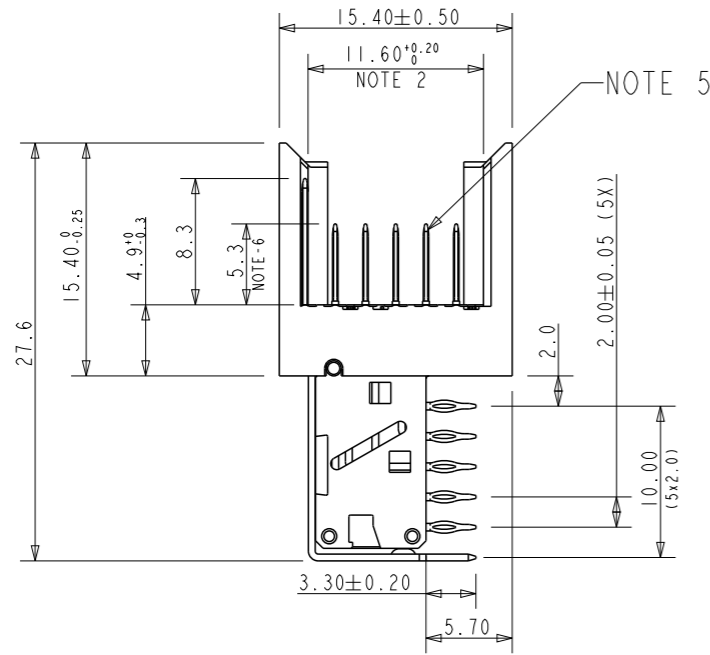
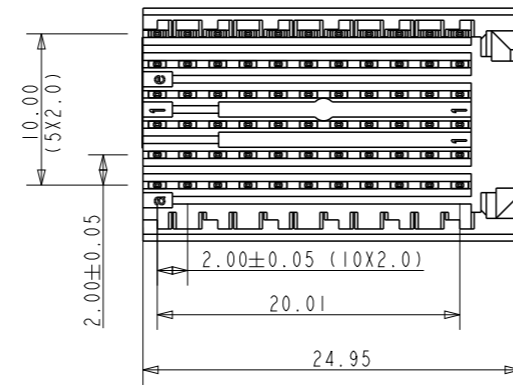
7. 'HM2J09PE5168'

PERFORMANCE LEVEL INDICATOR  
(Ref DWG No BS,C ,201844,003)

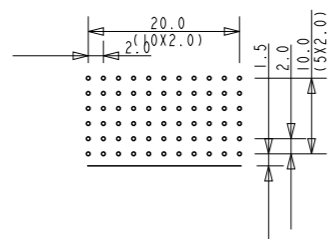
8. FOR RECOMMENDED PTH DIMENSIONS REFER DRAWING : BS,A ,201572,001
9. THIS PRODUCT (LF) MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008

LOADING PATTERN : MATING SIDE

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



PCB HOLE LAY-OUT



|                                       |           |                         |                                   |                     |
|---------------------------------------|-----------|-------------------------|-----------------------------------|---------------------|
| www.fciconnect.com                    |           | surface - ✓<br>ISO 1302 | tolerance std<br>ISO 406 ISO 1101 | projection<br>mm    |
| TOLERANCES UNLESS OTHERWISE SPECIFIED |           |                         |                                   |                     |
| Dr                                    | Alex Babu | 2005-08-01              | ANGULAR                           | 0.X ±0.2            |
| Eng                                   | Alex Babu | 2005-08-01              | LINEAR                            | 0.XX ±0.1           |
| Chr                                   | Alex Babu | 2008-04-24              | 0° ±1°                            | 0.XXX ±0.05         |
| Appr                                  | Alex Babu | 2008-04-24              | Product family                    | MILLIPACS           |
|                                       |           |                         | Spec ref                          | III-0044            |
|                                       |           |                         | size                              | A3                  |
|                                       |           |                         | Scale                             | 1/1                 |
|                                       |           |                         | ECN                               | III-0044            |
|                                       |           |                         | Spec ref                          | -                   |
| FCi                                   |           |                         | MPACS RA HDR                      | dwg no BSC202767033 |
|                                       |           |                         | type C, shielded, general         | Rev. E              |
|                                       |           |                         | catalog no                        | HM2J09PE5168----    |
|                                       |           |                         | CUSTOMER COPY                     | sheet 1 of 1        |

| rev | ecn no   | dr | date       |
|-----|----------|----|------------|
| A   | 105-0129 | AB | 2005-08-01 |
| B   | 106-0107 | AB | 2006-07-15 |
| C   | 108-0050 | AB | 2008-04-24 |
| D   | 110-0098 | GT | 2010-04-19 |
| E   | 111-0044 | GT | 2011-02-28 |
| -   | -        | -  | -          |
| -   | -        | -  | -          |



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