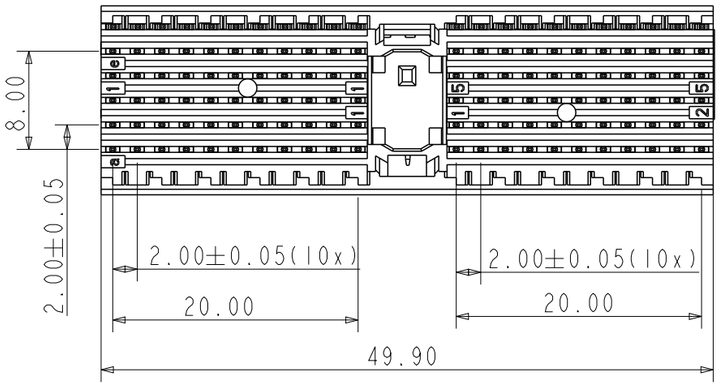
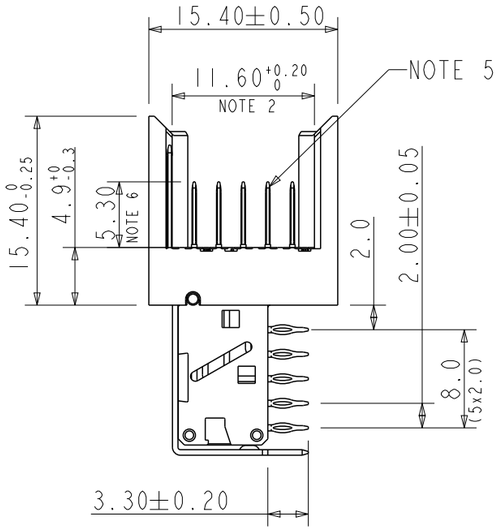
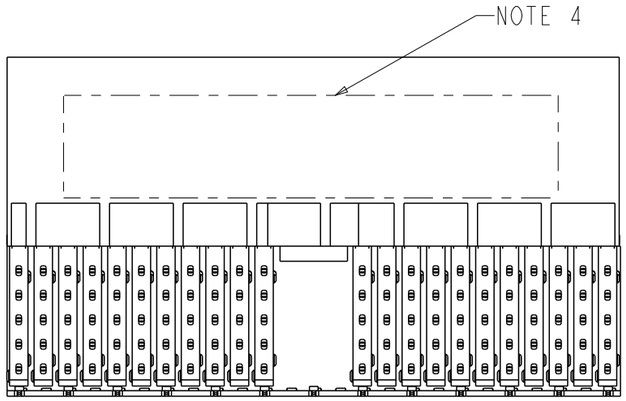






PERFORMANCE CHARACTERISTICS :

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 : 10^4 MΩ MIN.

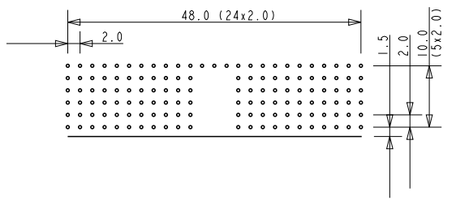
NOTES :

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)
7. 'HM2J07PE51A8[ ][ ]'
[ ] — LEAD FREE INDICATOR : LF = LEAD FREE
[ ] — 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	X	X	X	6	6	6	6	6	6	6	6	6	6	6
E	5	5	4	5	5	5	4	6	5	6	5	X	X	X	5	6	5	6	5	4	5	5	5	5	5
D	5	5	4	5	5	5	4	6	5	6	5	X	X	X	5	6	5	6	5	4	5	5	5	5	5
C	5	5	4	5	5	5	4	6	6	6	6	X	X	X	6	6	6	6	5	4	5	5	5	5	5
B	5	5	4	5	5	5	4	5	5	5	5	X	X	X	5	5	5	5	5	4	5	5	5	5	5
A	5	5	4	5	5	5	4	6	5	6	5	X	X	X	5	6	5	6	5	4	5	5	5	5	5
Z	0	0	0	0	0	0	0	0	0	0	0	X	X	X	0	0	0	0	0	0	0	0	0	0	0
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25

PCB HOLE LAY-OUT



rev	ecn no	dr	date
A	106-0065	AB	2006-06-03
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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surface ISO 1302 ✓ — tolerance std ISO 406 ISO 1101 — projection — mm

TOLERANCES UNLESS OTHERWISE SPECIFIED

Dr	ALEX B	2006-06-03	ANGULAR	LINEAR	0.X	±0.2
Eng	ALEX B	2006-06-03			0.XX	±0.1
Chr	ALEX B	2008-04-24	0°	±1°	0.XXX	±0.05
Appr	ALEX B	2008-04-24	Product family		MILLIPACS	

size A3 — Scale 1/1 — ECN 111-0044 — Spec ref -

title: MPACS RA HDR
type A, shielded, general

dwg no: BSC202767039 — Rev. E

catalog no HM2J07PE51A8---- — CUSTOMER COPY — sheet 1 of 1

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REV F - 2006-04-17

PDM: Rev:E STATUS:Released Printed: Mar 19, 2011