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Jameco Part Number 1978377



PRODUCT SPECIFICATION

5.0 PERFORMANCE

5.1 ELECTRICAL REQUIREMENTS

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
1	Capacitance	Measure between adjacent terminals	1.2 pf max
2	Insulation Resistance	Test between adjacent contact at 500 V DC for 1 minute, per (MIL-STD-1344 MTD 3001.1)	1000 Megaohms minimum
3	Dielectric Strength	Test between adjacent contact at 500VAC rms and 1 minute hold time.	No breakdown

5.2 MECHANICAL REQUIREMENTS

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
4	Pin Retention Force in Housing	Push pin axially from housing at a rate of 12.7mm/min (0.50 inch/min)	0.85 Kgf min

REVISION: B6	ECR/ECN INFORMATION: EC No: S2007-1103 DATE: 2007/06/15	TITLE: 2MM DUAL ROW OR SINGLE ROW (SMT/ VERTICAL/ RIGHT ANGLE) HEADER	SHEET No. 2 of 4
DOCUMENT NUMBER: PS-87761-100	CREATED / REVISED BY: AI TING/CWLAM 2007/06/15	CHECKED BY: KWLEE 2007/06/15	APPROVED BY: KW LEE 2007/06/15



PRODUCT SPECIFICATION

5.3 ENVIRONMENTAL REQUIREMENTS

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
5	Temperature Rise	Apply 2 amps DC to the header and measure contact temperature rise for 48 hours	30°C maximum temperature rise above ambient.
6	Solderability	Solder Time: 5 ± 0.5 sec. Solder Temperature: 245 ±5 °C	Soldertail should have 95% continuous new solder coating coverage (Apply to non-kinked Soldertail only)
7	Resistance to Soldering Heat (Wave Soldering) For Series a)87760 b)87758, 87830, 87761 c) Other series	Sample mounted on PCB and subject to wave soldering, a)Temperature : 260 ±5 °C for 12 ± 2 Sec b)Temperature : 260 ±5 °C for 10+2/-0Sec c) Temperature : 245 ±5 °C for 5Sec	Appearance : No Damage
8	Resistance to Solder Heat (Reflow) For SMT Series 87753, 87756, 87759, 87762, 87763, 87858, 87979, 87830	Pass Jack through IR machine for 3 cycles of the following reflow profile: Average Ramp Rate 3°C/sec max. Preheat Temp. (Min.) 150°C Preheat Temp. (Max.) 200°C Preheat Time 60 – 180 sec Ramp to Peak 3°C/sec max. Time over liquidus (217°C) 60 – 150 sec Peak Temperature 260 +0/-5°C Time within 5°C of peak 20 – 40 sec. Ramp – Cool Down 6°C/sec max. Time 25°C to Peak 8 mins max.	Appearance : No Damage

6.0 Packaging

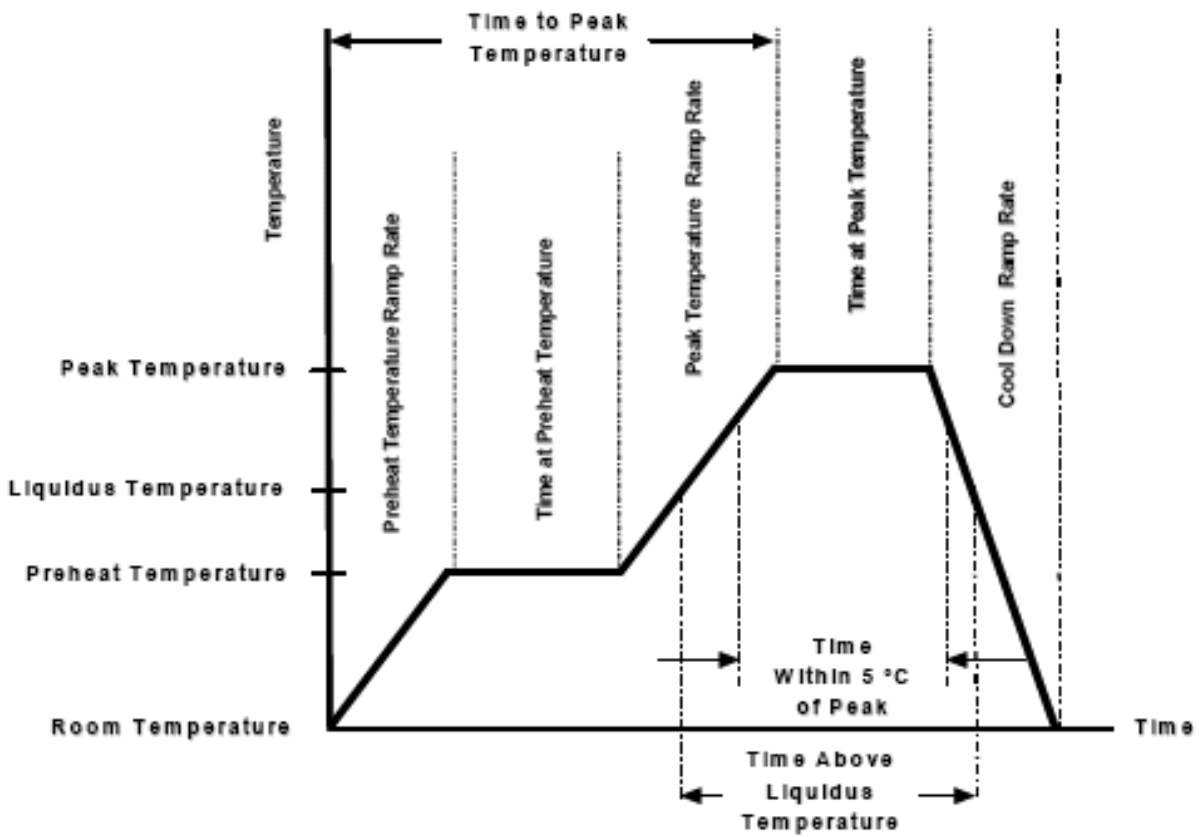
Product shall be packaged and protected against damage during handling, transportation and storage.

REVISION: B6	ECR/ECN INFORMATION: EC No: S2007-1103 DATE: 2007/06/15	TITLE: 2MM DUAL ROW OR SINGLE ROW (SMT/ VERTICAL/ RIGHT ANGLE) HEADER	SHEET No. 3 of 4
DOCUMENT NUMBER: PS-87761-100	CREATED / REVISED BY: AI TING/CWLAM 2007/06/15	CHECKED BY: KWLEE 2007/06/15	APPROVED BY: KW LEE 2007/06/15

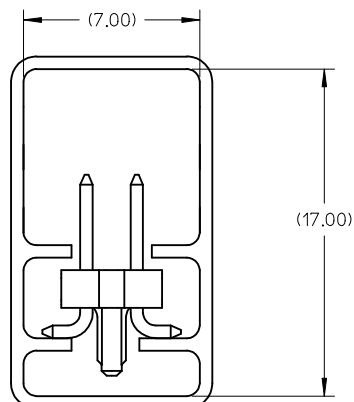
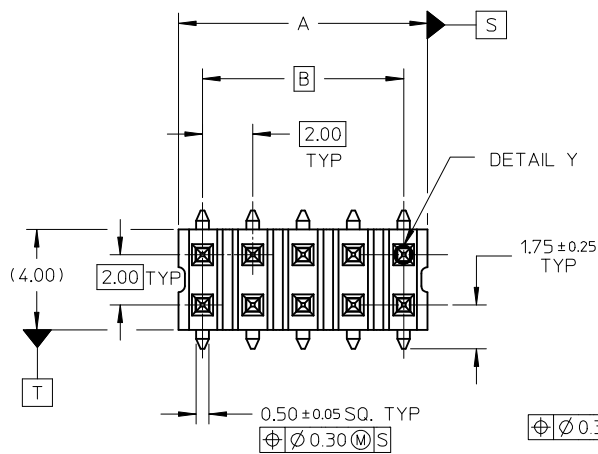


PRODUCT SPECIFICATION

7.0 SURFACE MOUNT REFLOW TEMPERATURE PROFILE



REVISION: B6	ECR/ECN INFORMATION: EC No: S2007-1103 DATE: 2007/06/15	TITLE: 2MM DUAL ROW OR SINGLE ROW (SMT/ VERTICAL/ RIGHT ANGLE) HEADER	SHEET No. 4 of 4
DOCUMENT NUMBER: PS-87761-100	CREATED / REVISED BY: AI TING/CWLAM 2007/06/15	CHECKED BY: KWLEE 2007/06/15	APPROVED BY: KW LEE 2007/06/15



NOTE:

1. MATERIAL:

HSG - HIGH TEMPERATURE THERMOPLASTIC,
UL 94V-0, COLOUR BLACK

PIN - 0.50 SQ PHOSPHOR BRONZE

2. PLATING:

**50 / **52 - 0.38um MIN GOLD PLATE AT CONTACT AREA,
TIN PLATE AT SOLDER AREA,
BOTH OVER NICKEL UNDERPLATE

**51 - 0.76um MIN GOLD PLATE AT CONTACT AREA,
TIN PLATE AT SOLDER AREA,
BOTH OVER NICKEL UNDERPLATE

(** - REPRESENTS DIFFERENT CKT SIZE . SEE TABLE AT SHT 2)

3. PIN PUSHOUT FORCE: 1KG MIN IN EITHER DIRECTION

4. PRODUCT SPEC PS-87761-100 APPLIES.

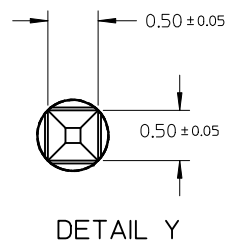
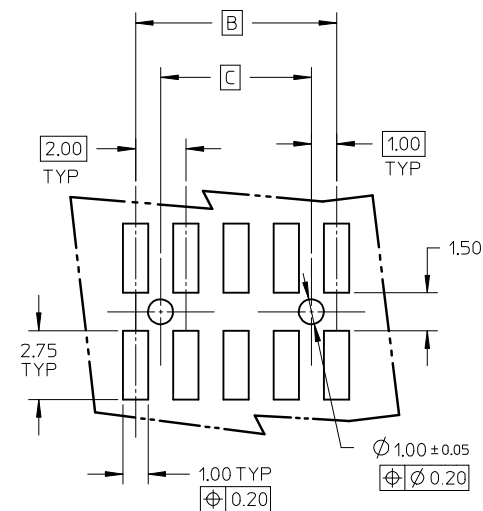
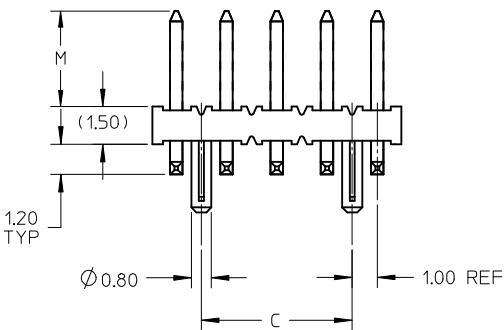
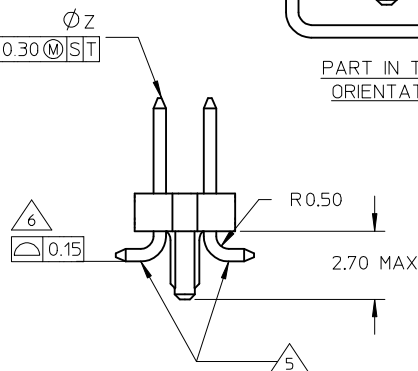
5 BEND DEPRESSION IS ACCEPTABLE SO LONG AS IT DOES NOT
AFFECT THE OVERALL COPLANARITY OF TAIL.

6 COPLANARITY IS TO BE MEASURED BY RESTING THE SOLDER TAIL
ON A FLAT SURFACE.

7. FOR ILLUSTRATION PURPOSES, 10CKT IS SHOWN

8. TUBE LENGTH IS 560MM REF STANDARD.

9. RECOMMENDED PCB BOARD THK IS 1.60±0.10 MM.



PDR#S-001876-00-00 EC NO: S2009-0182 DRWN:SKANG 2008/09/24 CHKD:ATSEE 2008/09/24 APPR:MLONG 2008/09/25	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION														
	<p>▽=0</p> <p>∠=0</p>	<table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.2</td> <td>± ---</td> </tr> <tr> <td>1 PLACE</td> <td>± ---</td> <td>± ---</td> </tr> </tbody> </table> <p>ANGULAR ± 3 °</p>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± 0.2	± ---	1 PLACE	± ---	± ---	MM ONLY	NTS	METRIC
	mm	INCH																		
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2 PLACES	± 0.2	± ---																		
1 PLACE	± ---	± ---																		

DRAWN BY KSEE	DATE 2003/12/24	TITLE CUSTOM HEADER MGRID, 2MM DUAL ROW HDR WITH PEG, SMT
	CHECKED BY KCLING	
APPROVED BY SKTOH	DATE 2004/01/12	MOLEX INCORPORATED DOCUMENT NO. SD-87759-113 SHEET NO. 1 OF 2
MATERIAL NO.	SEE TABLE	

SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
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	10	9		8		7	6	5	4	3	2	1
	PART NUMBER WITHOUT CAP IN TUBE	CKT SIZE	A	B	C	M						
F	87759-0850/0851	08	7.90	6.00	4.00	3.80						
	87759-0852	08	7.90	6.00	4.00	9.60						
	87759-1050/1051	10	9.90	8.00	6.00	3.80						
	87759-1250/1251	12	11.90	10.00	8.00	3.80						
	87759-1450/1451	14	13.90	12.00	10.00	3.80						
	87759-1650/1651	16	15.90	14.00	12.00	3.80						
E	87759-1850/1851	18	17.90	16.00	14.00	3.80						
	87759-2050/2051	20	19.90	18.00	16.00	3.80						
	87759-2250/2251	22	21.90	20.00	18.00	3.80						
	87759-2450/2451	24	23.90	22.00	20.00	3.80						
	87759-2650/2651	26	25.90	24.00	22.00	3.80						
	87759-2850/2851	28	27.90	26.00	24.00	3.80						
D	87759-3050/3051	30	29.90	28.00	26.00	3.80						
	87759-3250/3251	32	31.90	30.00	28.00	3.80						
	87759-3450/3451	34	33.90	32.00	30.00	3.80						
	87759-3650/3651	36	35.90	34.00	32.00	3.80						
	87759-3850/3851	38	37.90	36.00	34.00	3.80						
	87759-4050/4051	40	39.90	38.00	36.00	3.80						
C	87759-4250/4251	42	41.90	40.00	38.00	3.80						
	87759-4450/4451	44	43.90	42.00	40.00	3.80						
	87759-4650/4651	46	45.90	44.00	42.00	3.80						
	87759-4850/4851	48	47.90	46.00	44.00	3.80						
	87759-5050/5051	50	49.90	48.00	46.00	3.80						

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		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE TABLE THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	MATERIAL NO. SKTOH	MOLEX INCORPORATED DOCUMENT NO. SD-87759-113	SHEET NO. 2 OF 2		