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ELECTRONICS

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Jameco Part Number 1303521



PRODUCT SPECIFICATION

2MM DUAL ROW OR SINGLE ROW (SMT/ VERTICAL/ RIGHT ANGLE) HEADER

1.0 SCOPE

This specification covers the performance requirements for 2mm Dual Row or Single Row Header (SMT/ Vertical/ Right Angle)

2.0 PRODUCT DESCRIPTION

- 2.1 Product covered by this specification is for series number 87752, 87753, 87754 87755, 87756, 87757, 87758, 87759, 87760, 87761, 87762, 87763, 87830 and 87239.
- 2.2 For dimensions, materials & plating, refer to the appropriate product drawings.

3.0 APPLICABLE DOCUMENTS AND SPECIFICATIONS

The following documents are part of this specification to the extent specified herewith. In the event of conflict between the requirements of this specification and the product drawing, the product drawing shall take precedence.

In the event of conflict between the requirements of this specification and reference documents, this specification shall take the precedence.

MIL-STD-202 Test Methods for Electrical and Electronic Component Parts.

MIL-STD-1344 Test methods of Electrical Connector

4.0 RATINGS

4.1 Voltage : 125V

4.2 Current : 2.00 Amp

4.3 Operating Temperature : -55°C to + 105°C Current

TENTATIVE RELEASE : THIS SPECIFICATION IS BASED ON DESIGN OBJECTIVES AND IS STRICTLY TENTATIVE.
PRELIMINARY DATA MAY EXIST, BUT THIS SPECIFICATION IS SUBJECT TO CHANGE BASED ON THE RESULTS OF
ADDITIONAL TESTING AND EVALUATION

B1	EC No: S2004-0868 DATE: 2004/07/20	(SMT/ VER	1 of 3				
DOCUMENT NUMBER:		CREATED / REVISED BY:	CREATED / REVISED BY: CHECKED BY: APPROVED BY:				
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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

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PRODUCT SPECIFICATION

5.3 ENVIRONMENTAL REQUIREMENTS

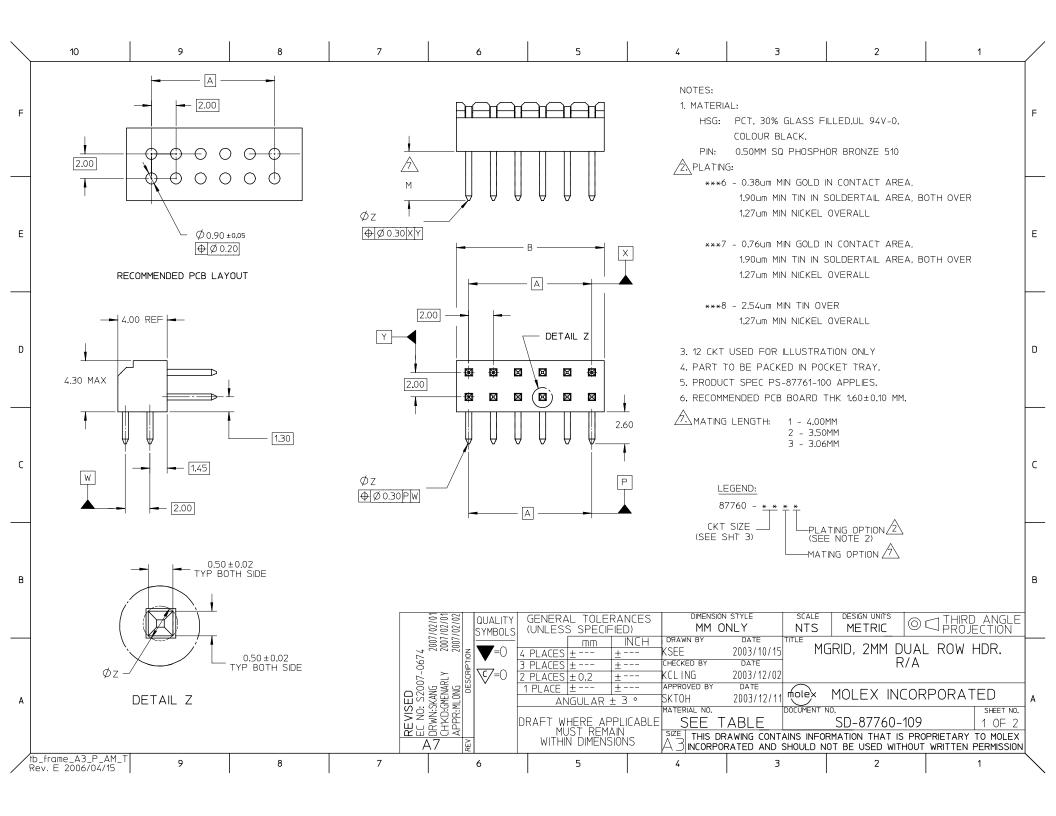
ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
5	Temperature Rise	Apply 2 amps DC to the header and measure contact temperature rise for 48 hours	30°C maximum temperature rise above ambient.
6	Solderability	Solder Time: 5 ± 0.5 sec. Solder Temperature: 245 ±5 °C	Soldertail should have 95% continuous new 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 : 245 ±5 °C for 3Sec c) Temperature : 245 ±5 °C for 5Sec	Appearance : No Damage
8	Resistance to Solder Heat (Reflow) For Series 87759, 87762	Sample mounted on PCB and subject to reflow, Temperature: 245 ±5 °C for 10 ±2 Sec	Appearance : No Damage

6.0 Packaging

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

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	PART NUMBER	VOID PIN LOCATION	CKT SIZE	А	В	М						
	87760-04**	-	04	2,00	4.00							
F	87760-06**	-	06	4.00	6.00							F
	87760-08**	-	08	6.00	8.00							
	87760-10**	-	10	8.00	10.00							
	87760-12**	-	12	10,00	12,00							_
	87760-14**	-	14	12.00	14.00							
	87760-16**	-	16	14.00	16.00							
Е	87760-18**	-	18	16.00	18,00	-						E
	87760-20**	-	20	18.00	20,00	REFER TO NOTE 1.						
	87760-22**	-	22	20,00	22.00							
	87760-24**	-	24	22.00	24.00							
	87760-26**	-	26	24.00	26.00							
	87760-28**	-	28	26.00	28,00							
D	87760-30**	-	30	28.00	30.00							D
	87760-32**	-	32	30.00	32.00							
	87760-34**	-	34	32.00	34.00							
	87760-36**	-	36	34.00	36.00							
	87760-38**	-	38	36.00	38.00							
	87760-40**	-	40	38.00	40.00							
C	87760-42**	-	42	40.00	42.00							C
	87760-44**	-	44	42.00	44.00							
	87760-46**	-	46	44.00	46.00							
	87760-48**	-	48	46.00	48.00							
	87760-50**	-	50	48.00	50.00							
	87760-5116	5, 6 & 26	50	48.00	50.00							
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