

1.0 SCOPE

This specification covers the performance requirements for Milli-Grid 2mm Dual Row Shrouded Headers.

2.0 PRODUCT DESCRIPTION

2.1 PRODUCT NAME AND PART NUMBER

Product Name

Project Name

MGrid Headers (Vertical)

MGrid Headers (SMT)

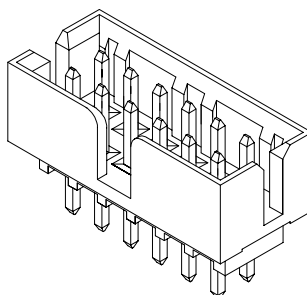
MGrid Headers (R/A)

Part Number

87331 Series (below)

87332 Series

87333 Series



TENTATIVE RELEASE : THIS SPECIFICATION IS BASED ON DESIGN OBJECTIVES AND IS STRICTLY TENTATIVE.

PRELIMINARY TEST DATA MAY EXIST, BUT THIS SPECIFICATION IS
SUBJECTED TO CHANGE BASED ON THE RESULTS OF ADDITIONAL
TESTING AND EVALUATION.

	REV	1	1	1	1																							
	SHT	1	2	3	4																							
REVISE ON PC ONLY									TITLE MILLIGRID 2MM DUAL ROW SHROUDED HEADERS.																			
1		RELEASE AS PER ECN S1998-0624																										
REV		DESCRIPTION							THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																			
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DOCUMENT NO. PS-87331																		FILE NAME PS87331.LWP				SHT NO 1 OF 4						
FS-40000-3996 REV. A SHEET 3 95/MAR/10 FC U5-0926 DCBRD03.SAM																												



PRODUCT SPECIFICATION



LANGUAGE

ENGLISH

2.2 DIMENSIONS, MATERIALS, PLATINGS AND MARKINGS

2.2.1 Design and Construction

Header shall be of design, construction, physical dimensions, and markings specified on the applicable sales drawings.

2.2.2 Contact Terminals : Phosphor Bronze
See Product Sales Drawings for Available Plating Options

2.2.3 Housing : a. Engineering Thermoplastic
b. Colour (See Sales Drawings)
c. Flammability Rating, UL 94V-0

2.3 UL/CSA CERTIFICATION

UL FILE : TBD

CSA FILE : LR 19980A-182 (CLASS 6233-81)

3.0 APPLICABLE DOCUMENTS AND SPECIFICATIONS

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

MIL-STD-202 Test methods for electronic and electrical component parts

MIL-STD-1344 Test methods for electrical connectors.

	REVISE ON PC ONLY		TITLE2mm WIRE TO BOARD CONNECTOR SYSTEM				
	1	RELEASE AS PER ECN S1998-0624					
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4.0 RATINGS

- 4.1 **Current** : 2.0 amp MAX
- 4.2 **Operating Temperature** : -55 to +105 degC
- 4.3 **Voltage Rating** : 125 VAC

5.0 PERFORMANCE

5.1 Electrical Performance

	ITEM	TEST CONDITION	REQUIREMENT
5.1.1	Insulation Resistance	500 VDC applied for 1 min per MIL-STD-1344A method 3003.1	1000 Mohms Min
5.1.2	Dielectric Strength	1000 Vrms for 1 min between adjacent terminals.	No Breakdown

5.2 Mechanical Performance

	ITEM	TEST CONDITION	REQUIREMENT
5.2.1	Pin/Terminal Retention Force in Housing	Apply an axial load on the terminal in the housing to dislodge the terminals from the connector at a rate of 0.50 inch per minute	Retention : 850 g Force Min per pin. (Before heat soldering)
5.2.2	Solderability	Solder Time: 5 +/-0.5 secs . Solder Temperature : 245+/- 5degrees C	95% of the immersed area must show no voids ,pin holes.
5.2.3	Resistance to Soldering Heat	Solder tail to be dipped in flux as per MIL-STD-202F method 210A condition B.	No damage in appearance of the connector.
5.2.4	Resistance to Infra- Red Heat	Subject connector to the IR Reflow temp. of 260 +/-5 C for 12 +/-2 sec.	No damage in appearance of the connector.

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6.0 PACKAGING

Part shall be packaged per the packaging specification called out on the applicable assembly print to protect against damage during handling, transit and storage.

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