

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0877153908](#)  
**Status:** **Active**  
**Overview:**  
**Description:** 1.00mm (.039") Pitch, PCI Express\* Connector, 230 Circuits, Nylon 4/6 Glass-filled, Black Housing, Phosphor Bronze, 0.38µm (15µ") Gold (Au) Plating, with Plastic Pegs, 2.54mm (.100") Solder tail

**Agency Certification**

CSA LR19980

**General**

Product Family Edge Card Connectors  
 Series 87715  
 Component Type Edgecard to PCB  
 Overview pci\_express\_card\_edge\_connector  
 Product Name PCI Express\*

**Physical**

Circuits (Loaded) 230  
 Circuits (maximum) 230  
 Circuits Detail All Signal  
 Durability (mating cycles max) 50  
 Entry Angle Vertical (Top Entry)  
 Flammability 94V-0  
 Keying to Mating Part Yes  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin-Lead  
 PC Tail Length (in) 0.100 In  
 PC Tail Length (mm) 2.54 mm  
 PCB Locator Yes  
 PCB Retention Yes  
 PCB Thickness Recommended (in) 0.062 In  
 PCB Thickness Recommended (mm) 1.60 mm  
 Packaging Type Tray  
 Pitch - Mating Interface (in) 0.039 In  
 Pitch - Mating Interface (mm) 1.00 mm  
 Pitch - Term. Interface (in) 0.039 In  
 Pitch - Term. Interface (mm) 1.00 mm  
 Plating min: Mating (µin) 15  
 Plating min: Mating (µm) 0.38  
 Polarized to Mating Part Yes  
 Temperature Range - Operating 65°C  
 Termination Interface: Style Through Hole

**Electrical**

Current - Maximum per Contact 1.1A  
 Voltage - Maximum 50V AC (RMS)/DC

**Solder Process Data**

Lead-free Process Capability Wave Capable (TH only)  
 Process Temperature max. C 260

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification PK-87715-202  
 Product Specification PS-87715-202

**EU RoHS**

**ELV and RoHS  
 Compliant  
 REACH SVHC  
 Contains SVHC: No  
 Halogen-Free  
 Status**

**China RoHS**



**Not Halogen-Free**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

87715Series

**Mates With**

PCI Express Card

Sales Drawing  
Test Summary

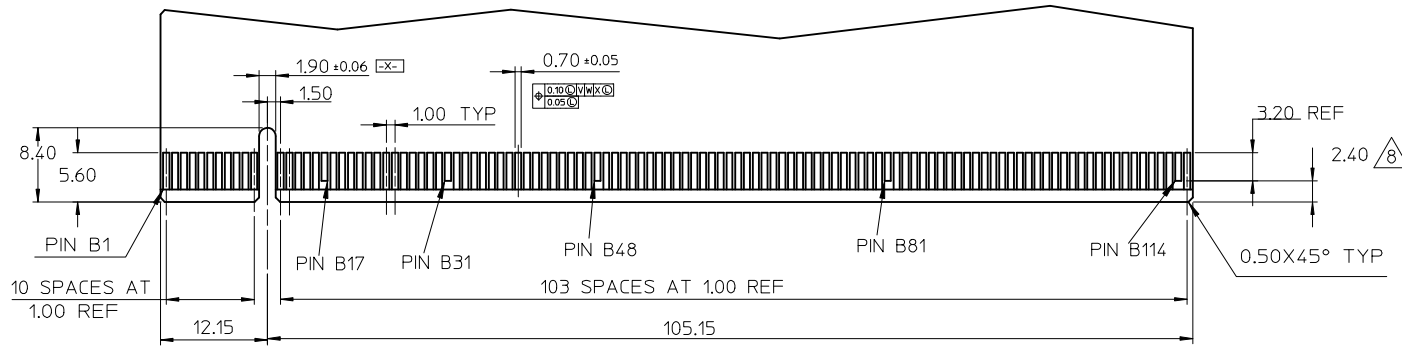
SD-87715-202  
TS-87715-202

\* PCI Express is a registered trademark of PCI-SIG®

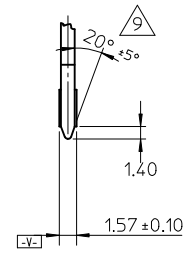
This document was generated on 06/04/2010

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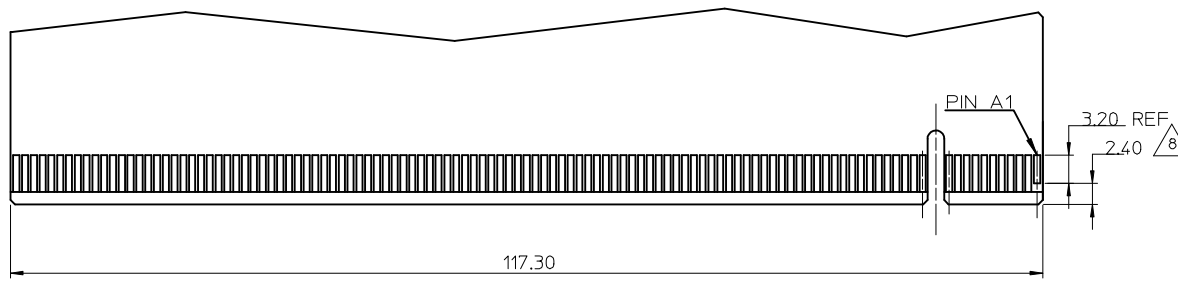




DAUGHTER CARD  
PRIMARY (COMPONENT) SIDE



ACROSS PADS



DAUGHTER CARD  
SECONDARY (SOLDER) SIDE

I/O PANEL DIRECTION

NOTE:

- 8 NO TIE BAR PERMITTED FROM CARD EDGE TO LEADING EDGE OF PAD FOR PIN A1, B17, B31, B48, B81, B114
- 9 CHAMFER EDGES MUST BE FREE OF CUTTING BURRS.
- 10. THE MATED CARD COMPLY WITH PCI EXPRESS CARD REV 1.0 STANDARD
- 11. PIN 1 IDENTIFIER

ADD P/N, NOTE 2 EC NO: S2010-0318 DRWN: JESSIECHUA 2009/10/14 CHKD: KSSHANITA 2009/10/14 APPR: NAGESHKN 2009/10/15	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION																																			
		$F_A=0$ $F_C=0$ $F_P=0$	<table border="1"> <tr> <td></td> <td>mm</td> <td>INCH</td> </tr> <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>± 0.25</td> <td>± ---</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.25</td> <td>± ---</td> </tr> </table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± 0.25	± ---	1 PLACE	± 0.25	± ---	<table border="1"> <tr> <td>ANGULAR</td> <td>± 3 °</td> </tr> </table>	ANGULAR	± 3 °	<table border="1"> <tr> <td>DRAWN BY</td> <td>DATE</td> <td>TITLE</td> </tr> <tr> <td>TOM</td> <td>2003/12/25</td> <td>1.0 EDGE CARD 230 CKTS VERTICAL DIP CONNECTOR (LEAD FREE VERSION)</td> </tr> <tr> <td>CHECKED BY</td> <td>DATE</td> <td></td> </tr> <tr> <td>SAM SIN</td> <td>2003/12/25</td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>DATE</td> <td></td> </tr> <tr> <td>WLISON</td> <td>2003/12/25</td> <td></td> </tr> </table>	DRAWN BY	DATE	TITLE	TOM	2003/12/25	1.0 EDGE CARD 230 CKTS VERTICAL DIP CONNECTOR (LEAD FREE VERSION)	CHECKED BY	DATE		SAM SIN	2003/12/25		APPROVED BY	DATE		WLISON	2003/12/25		MOLEX INCORPORATED		DOCUMENT NO.	SHEET NO.
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DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-87715-202		2 OF 2																																						
		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																																								