

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

**Part Number:** [0877159900](#)  
**Status:** **Active**  
**Overview:**  
**Description:** 1.00mm (.039") Edgecard Connector, Vertical, Nylon 4/6 Glass-filled, Black Housing, Phosphor Bronze, 0.38µm (15µ") Gold (Au) Plating, with Plastic Pegs, 3.00mm (.118") Solder tail, PCB Thickness 2.36mm (.093"), 26 Circuits, Lead Free

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

Product Family Edge Card Connectors  
 Series 87715  
 Comments Not a PCI standard part  
 Component Type Edgecard to PCB  
 Overview edge\_card\_connectors  
 Product Name Edge Card

**Physical**

Circuits (Loaded) 26  
 Circuits (maximum) 26  
 Circuits Detail All Signal  
 Durability (mating cycles max) 50  
 Entry Angle Vertical (Top Entry)  
 Flammability 94V-0  
 Keying to Mating Part None  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 PC Tail Length (in) 0.118 In  
 PC Tail Length (mm) 3.00 mm  
 PCB Locator Yes  
 PCB Retention Yes  
 PCB Thickness Recommended (in) 0.093 In  
 PCB Thickness Recommended (mm) 2.36 mm  
 Packaging Type Tray  
 Panel Mount N/A  
 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  
 Polarized to Mating Part Yes  
 Temperature Range - Operating -55°C to +85°C  
 Termination Interface: Style Through Hole

**Electrical**

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

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification PK-87715-201  
 Product Specification PS-87715-200  
 Sales Drawing SD-87715-209  
 Test Summary TS-87715-209

**EU RoHS**

**ELV and RoHS Compliant**

**REACH SVHC**

Not Reviewed

**Halogen-Free**

**Status**

**Not Halogen-Free**

**China RoHS**



**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**

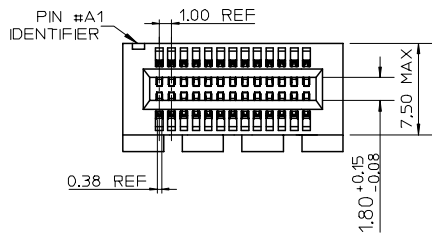
87715Series

**Mates With**

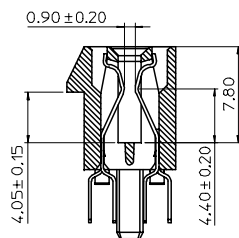
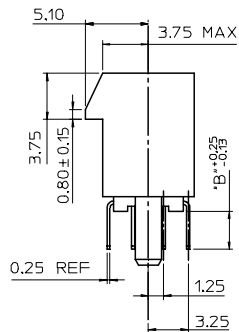
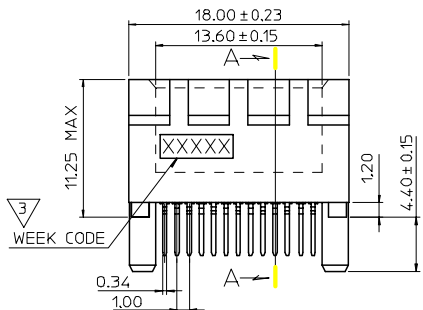
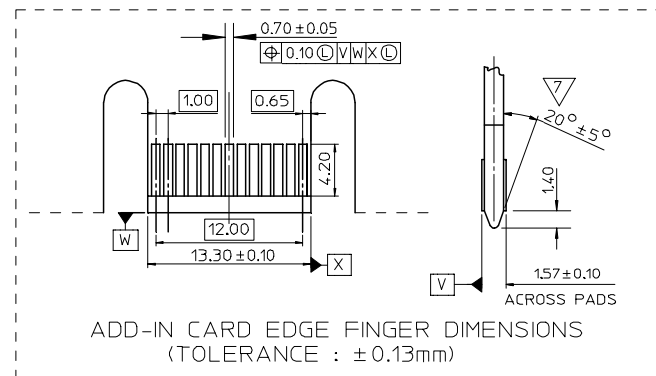
PCI Express Card

This document was generated on 06/04/2010

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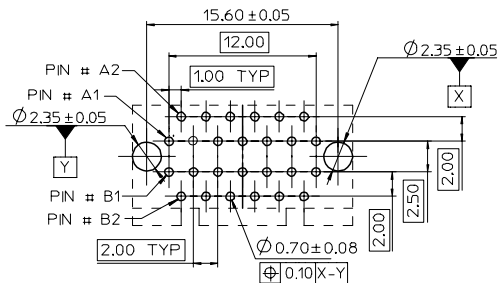
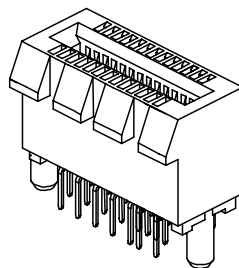
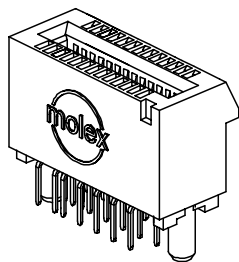
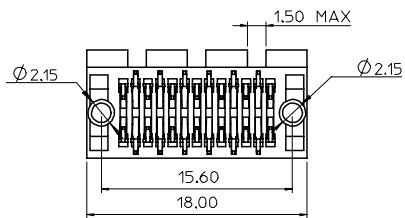
MOLEX P/N	CONTACT PLATING	DIM "B"	P.C.B THICKNESS
87715-9900	GOLD 15	3.00	2.36
87715-9901	MICROINCH	2.54	1.58
87715-9922	GOLD 30	2.54	1.58
87715-9923	MICROINCH	3.00	2.36



SECTION A-A

NOTES:

- MATERIALS:  
HOUSING: NYLON 46, GLASS FIBER FILLED UL94V-0  
COLOR:BLACK  
TERMINAL: PHOSPHOR BRONZE
- PLATING:  
TERMINAL :  
CONTACT AREA: SEE TABLE  
SOLDER TAIL: TIN, THICKNESS = 100 MICROINCH MIN.  
UNDER PLATING: NICKEL OVERALL
- WEEK CODE: XX(YEAR), XX(WEEK), X(LOCATION)
- PRODUCT SPECIFICATION REFER TO PS-87715-200
- PACKAGE SPECIFICATION REFER TO PK-87715-201
- TEST SUMMARY: REFER TO TS-87715-209
- CHAMFER EDGES MUST BE FREE OF CUTTING BURRS.
- LEAD FREE AND ROHS COMPLIANCE PRODUCT.



RECOMMENDED PCB LAYOUT

NEW RELEASED EC NO: SH2006-0194 DRWN:ALL IN 2006/04/18 CHKD: 2006/04/18 APPR:WWSCHANG 2006/04/18	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM/IN	SCALE	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	DESCRIPTION					
REV	DESCRIPTION	4 PLACES ± --- ± ---	DRAWN BY DATE	TITLE	MOLEX INCORPORATED	
A		3 PLACES ± --- ± ---	TOM 2005/03/15	1.00MM PITCH EDGE CARD 26 PIN VERT CONNECTOR (LEAD FREE VERSION)		
		2 PLACES ± 0.25 ± ---	CHECKED BY DATE	MOLEX INCORPORATED		
		1 PLACE ± 0.25 ± ---	ALL IN 2005/03/15			
		ANGULAR ± 3 °	APPROVED BY DATE	MOLEX INCORPORATED		
			WWSCHANG 2005/03/15			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO.	DOCUMENT NO.	SHEET NO.	
			SEE TABLE	SD-87715-209	1 OF 1	
			SIZE 4	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		