

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

**Part Number:** [0877159901](#)  
**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, 2.54mm (.100") Solder-tail, PCB Thickness 1.58mm (.062"), 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)            | 1.000 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) | 1.58 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**

**Contains SVHC: No**

**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**

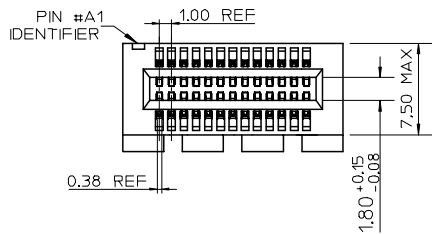
87715Series

**Mates With**

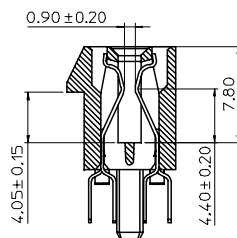
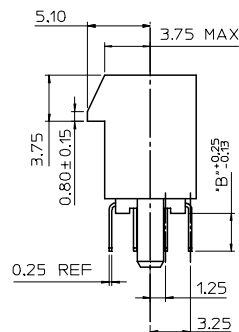
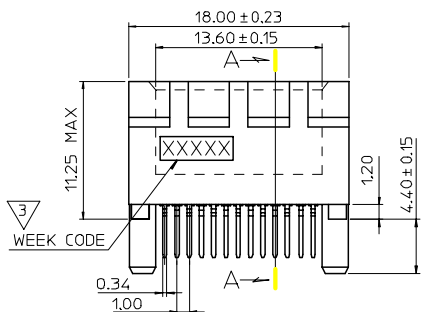
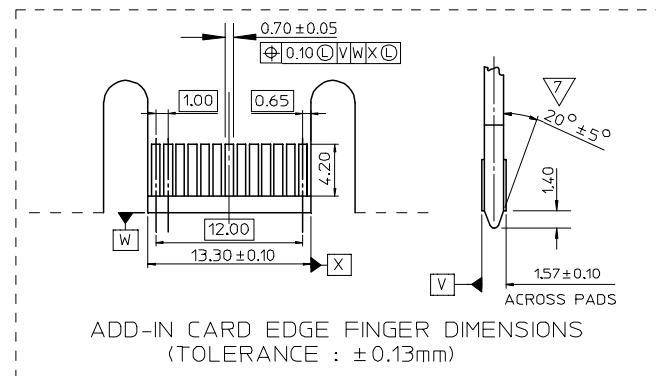
PCI Express Card

This document was generated on 06/04/2010

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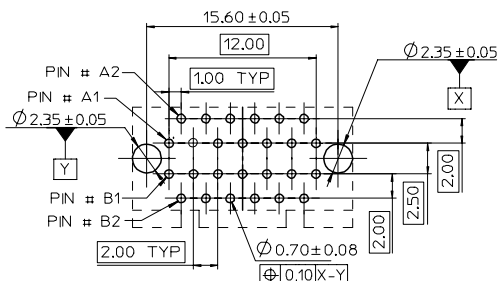
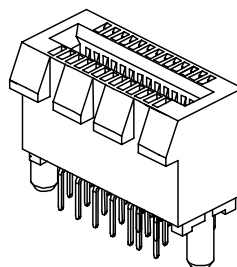
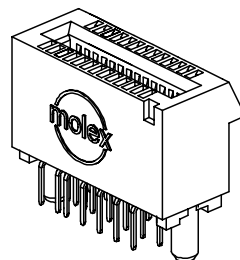
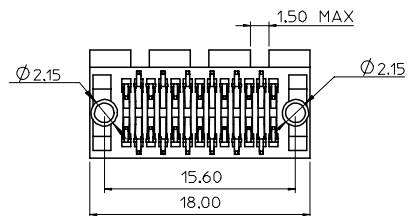
| MOLEX P/N  | CONTACT PLATING | DIM 'B' | P.C.B THICKNESS |
|------------|-----------------|---------|-----------------|
| 87715-9900 | GOLD 15         | 3.00    | 2.36            |
| 87715-9901 | MICROINCH       | 2.54    | 1.58            |
| 87715-9922 | GOLD 30         | 2.54    | 1.58            |
| 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<br>EC NO: SH2006-0194<br>DRWN:ALL IN 2006/04/18<br>CHKD: 2006/04/18<br>APPR:WWSCHANG 2006/04/18 | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | DIMENSION STYLE<br>MM/IN                                   | SCALE  | DESIGN UNITS<br>METRIC | THIRD ANGLE PROJECTION  |
|  | = 0<br>= 0      |                                       |  |  |                        |   |
| A  | REV             | DESCRIPTION                           | 4 PLACES ± --- ± ---                                       | DRAWN BY TOM   | DATE 2005/03/15        | TITLE<br>1.00MM PITCH EDGE CARD<br>26 PIN VERT CONNECTOR<br>(LEAD FREE VERSION) |
|  |                 |                                       | 3 PLACES ± --- ± ---                                       | CHECKED BY ALL IN  | DATE 2005/03/15        |   |
|  |                 |                                       | 2 PLACES ± 0.25 ± ---                                      | APPROVED BY WWSCHANG   | DATE 2005/03/15        | MOLEX INCORPORATED  |
|  |                 |                                       | 1 PLACE ± 0.25 ± ---                                       | MATERIAL NO.   | DOCUMENT NO.           |   |
|  |                 |                                       | ANGULAR ± 3 °  | SEE TABLE  |                        | SD-87715-209  |
|  |                 |                                       | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                        |   |