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Part Number: [0877153915](#)
Status: **Active**
Overview:
Description: 1.00mm (.039") Pitch, PCI Express* Connector, 280 Circuits, Nylon 4/6 Glass-filled, Black Housing, Phosphor Bronze, 0.38µm (15µ") Gold (Au) Plating, with Plastic Pegs, 3.00mm (.118") Solder tail, Lead Free

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) 280
Circuits (maximum) 280
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
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) 2.40 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 -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-87715-206
Product Specification PS-87715-206
Sales Drawing SD-87715-206
Test Summary TS-87715-206

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

EU RoHS

**ELV and RoHS
Compliant**

REACH SVHC

Not Reviewed

**Halogen-Free
Status**

Not Reviewed

China RoHS



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

Email 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

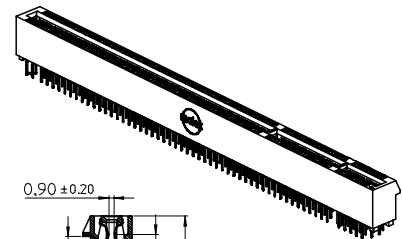
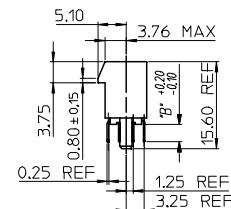
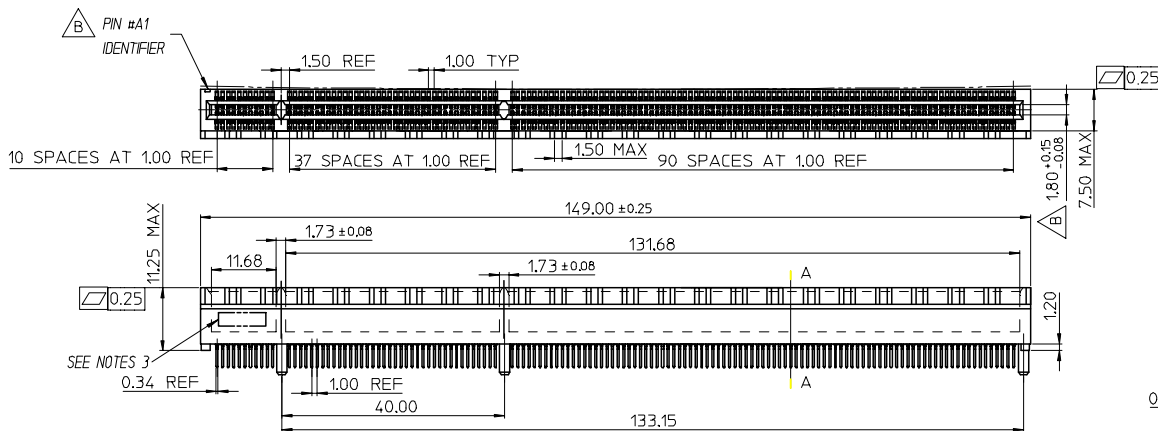
[87715Series](#)

Mates With

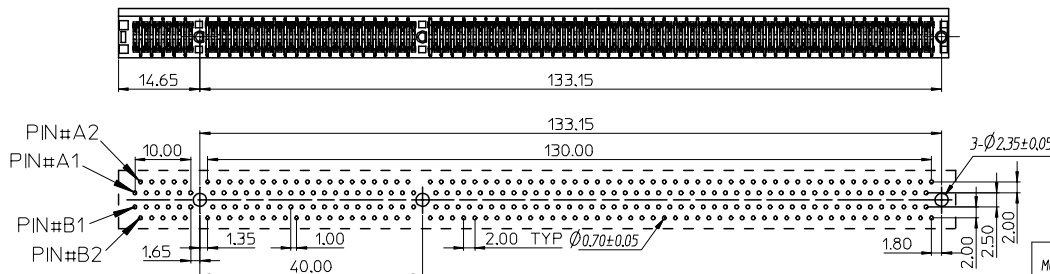
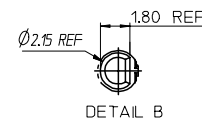
PCI Express Card

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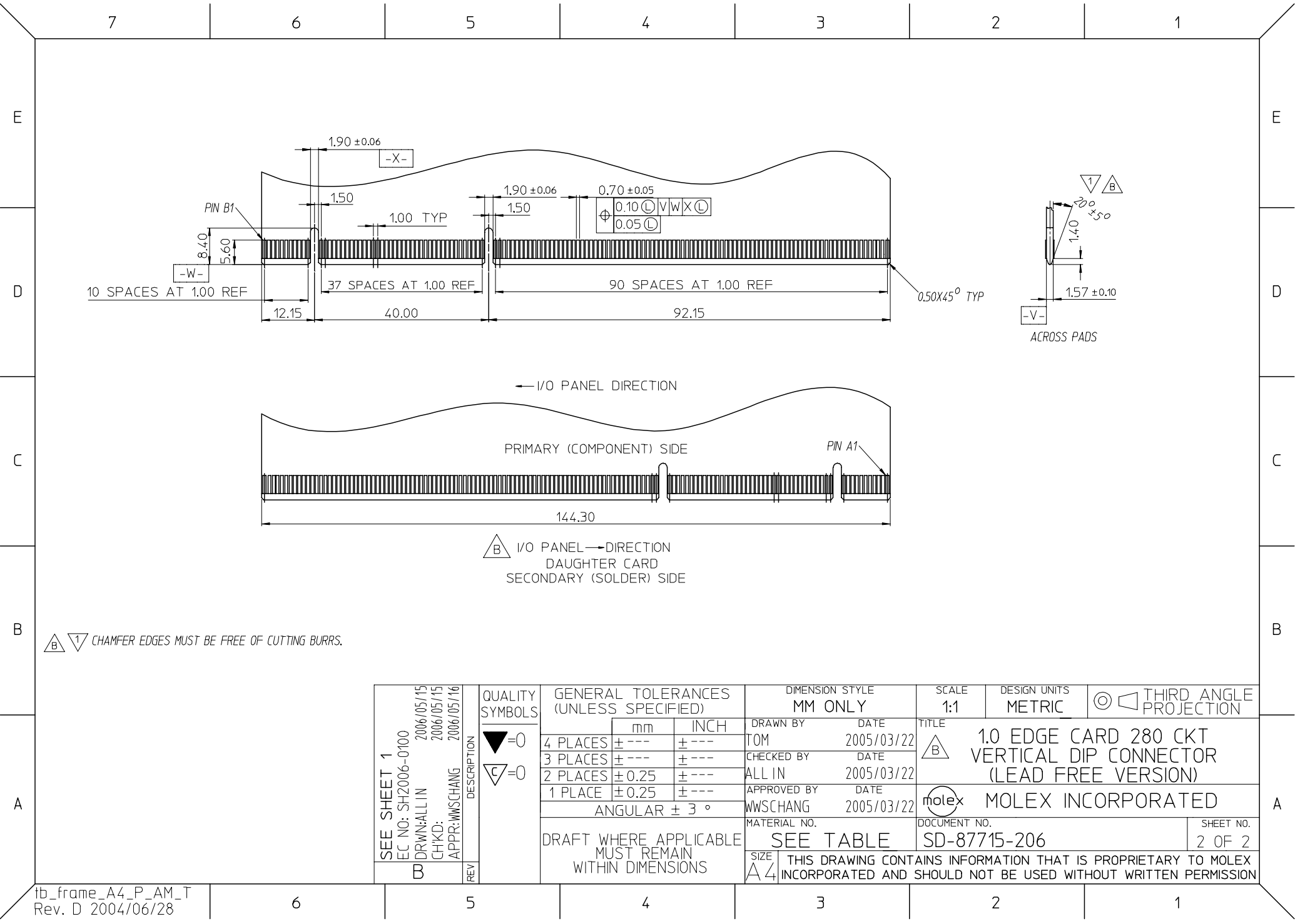
SECTION A-A



- NOTES:
- 1.MATERIALS:
1-1.HOUSING:SEE TABLE GLASS FIBER FILLED UL94V-0
COLOR:SEE TABLE
1-2.CONTACT:SEE TABLE
 - 2.PLATING:
2-1.CONTACT AREA:SEE TABLE
2-2.SOLDER TAIL:SEE TABLE
2-3.UNDER PLATING:SEE TABLE
 - 3.DATE CODE:TO BE PRINTED
 - 4.PRODUCT SPECIFICATION REFER TO PS-87715-200
 - 5.PACKAGE SPECIFICATION REFER TO PK-87715-206
 - 6.TEST SUMMARY:REFER TO TS-87715-206
 - 7.LEAD FREE AND ROHS COMPLIANT.

MOLEX P/N	CIRCUIT SIZE	HOUSING MATERIAL	HOUSING COLOR	TERMINAL MATERIAL	CONTACT PLATING	SOLDER TAIL PLATING	DIM B*
87715-3914	280	NYLON 46	BLACK	PHOSPHOR BRONZE	GOLD FLASH	100 MICRONCH TIN OVER 50 MICRONCH NICKEL OVERALL	3.00
87715-3915	280	NYLON 46	BLACK	PHOSPHOR BRONZE	15 MICRONCH	100 MICRONCH TIN OVER 50 MICRONCH NICKEL OVERALL	3.00
87715-3916	280	NYLON 46	BLACK	PHOSPHOR BRONZE	30 MICRONCH	100 MICRONCH TIN OVER 50 MICRONCH NICKEL OVERALL	3.00
87715-3917	280	NYLON 46	BLACK	PHOSPHOR BRONZE	GOLD FLASH	100 MICRONCH TIN OVER 50 MICRONCH NICKEL OVERALL	2.54
87715-3918	280	NYLON 46	BLACK	PHOSPHOR BRONZE	15 MICRONCH	100 MICRONCH TIN OVER 50 MICRONCH NICKEL OVERALL	2.54
87715-3919	280	NYLON 46	BLACK	PHOSPHOR BRONZE	30 MICRONCH	100 MICRONCH TIN OVER 50 MICRONCH NICKEL OVERALL	2.54

EWR 2006-0005 & 2006-0019 2005-0094 EC NO: SH2006-0100 DRWN:ALL IN CHKD: APPR:WWSCHANG			DESCRIPTION REV	QUALITY SYMBOLS =0 =0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
						mm	INCH	DRAWN BY	DATE	TITLE	1.0 EDGE CARD 280 CKT VERTICAL DIP CONNECTOR (LEAD FREE VERSION)			
					4 PLACES	± ---	± ---	TOM	2005/03/22					
					3 PLACES	± ---	± ---	CHECKED BY	DATE					
					2 PLACES	± 0.25	± ---	ALL IN	2005/03/22	MOLEX MOLEX INCORPORATED				
					1 PLACE	± 0.25	± ---	APPROVED BY	DATE					
					ANGULAR ± 3 °			WWSCHANG	2005/03/22	SD-87715-206				
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO. SEE TABLE						
								SIZE A 4		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOTBE USED WITHOUT WRITTEN PERMISSION				



CHAMFER EDGES MUST BE FREE OF CUTTING BURRS.

SEE SHEET 1 EC NO: SH2006-0100 DRWN:ALL IN CHKD: APPR:WWSCHANG B	2006/05/15 2006/05/15 2006/05/16	DESCRIPTION REV	QUALITY SYMBOLS =0 =0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
					mm	INCH	DRAWN BY TOM	DATE 2005/03/22	TITLE 1.0 EDGE CARD 280 CKT VERTICAL DIP CONNECTOR (LEAD FREE VERSION)			
				4 PLACES	± ---	± ---	CHECKED BY ALL IN	DATE 2005/03/22				
				3 PLACES	± ---	± ---	APPROVED BY WWSCHANG	DATE 2005/03/22	MOLEX MOLEX INCORPORATED			
				2 PLACES	± 0.25	± ---	MATERIAL NO. SEE TABLE					DOCUMENT NO. SD-87715-206
				1 PLACE	± 0.25	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					
				ANGULAR ± 3 °								
										THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		



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- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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