

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0877153918

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, 2.54mm (.100") 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)	0.100 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	-55°C to +85°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-87715-206
Product Specification	PS-87715-206

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

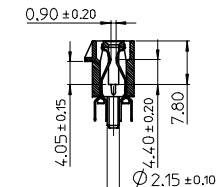
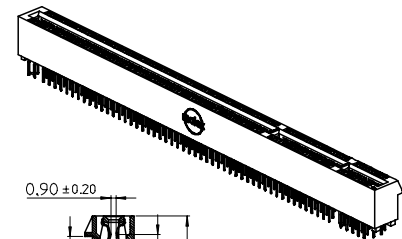
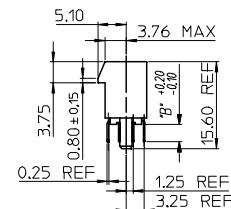
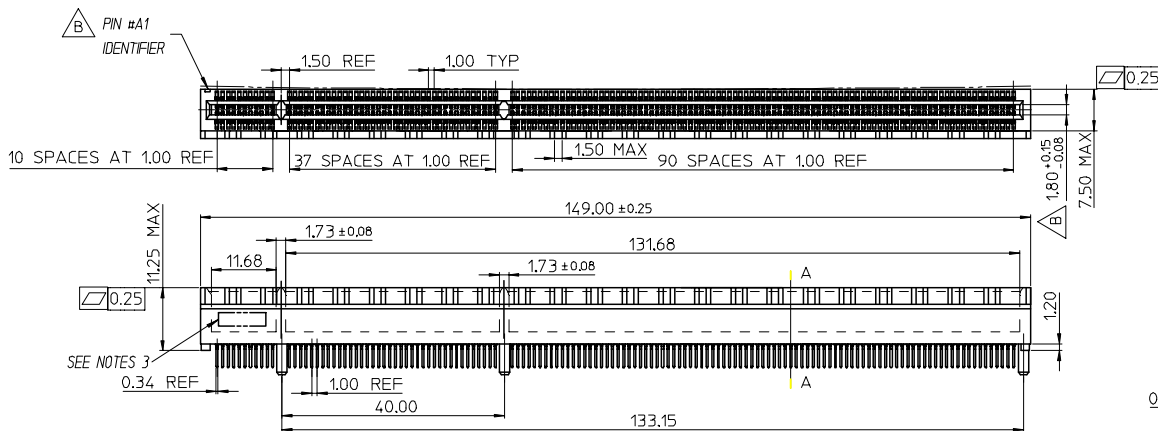
Sales Drawing
Test Summary

SD-87715-206
TS-87715-206

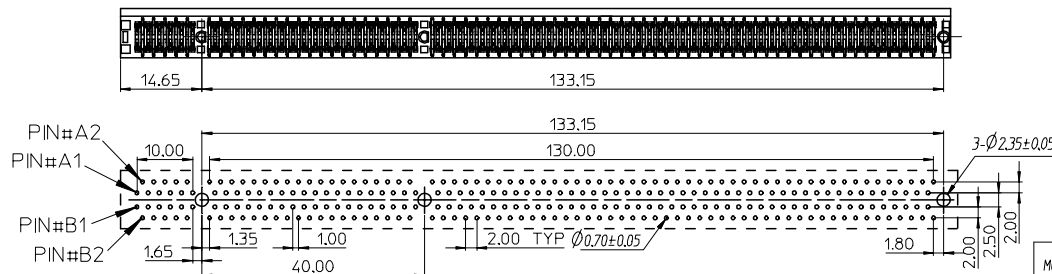
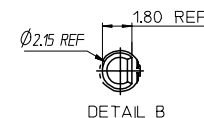
* PCI Express is a registered trademark of PCI-SIG®

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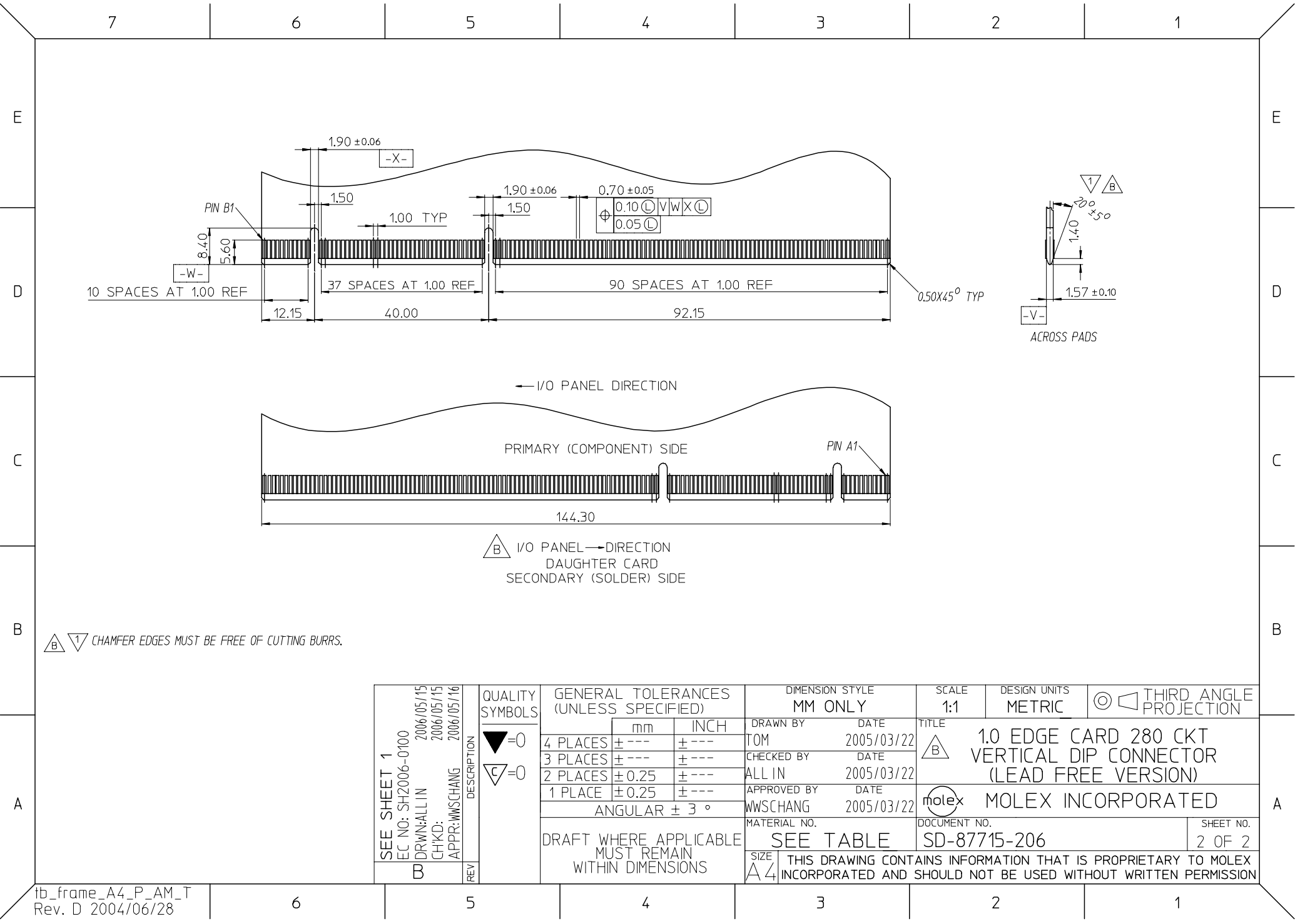
SECTION A-A



- 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 MICRONICH TIN OVER 50 MICRONICH NICKEL OVERALL	3.00
87715-3915	280	NYLON 46	BLACK	PHOSPHOR BRONZE	15 MICRONICH	100 MICRONICH TIN OVER 50 MICRONICH NICKEL OVERALL	3.00
87715-3916	280	NYLON 46	BLACK	PHOSPHOR BRONZE	30 MICRONICH	100 MICRONICH TIN OVER 50 MICRONICH NICKEL OVERALL	3.00
87715-3917	280	NYLON 46	BLACK	PHOSPHOR BRONZE	GOLD FLASH	100 MICRONICH TIN OVER 50 MICRONICH NICKEL OVERALL	2.54
87715-3918	280	NYLON 46	BLACK	PHOSPHOR BRONZE	15 MICRONICH	100 MICRONICH TIN OVER 50 MICRONICH NICKEL OVERALL	2.54
87715-3919	280	NYLON 46	BLACK	PHOSPHOR BRONZE	30 MICRONICH	100 MICRONICH TIN OVER 50 MICRONICH 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 ▽C=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	B				
				3 PLACES ± ---	± ---	CHECKED BY	DATE	MOLEX MOLEX INCORPORATED				
				2 PLACES ± 0.25	± ---	ALL IN	2005/03/22					
			1 PLACE ± 0.25	± ---	APPROVED BY	DATE	SD-87715-206			SHEET NO. 1 OF 2		
			ANGULAR ± 3 °		WWSCHANG	2005/03/22						DOCUMENT NO.
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO. SEE TABLE						
						SIZE A4		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE 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	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽C=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 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			SHEET NO. 2 OF 2	
							SIZE A4		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	

Данный компонент на территории Российской Федерации

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<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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