

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0877153919

Status:

Active

Overview:

Description:

1.00mm (.039") Pitch, PCI Express* Connector, 280 Circuits, Nylon 4/6 Glass-filled, Black Housing, Phosphor Bronze, 0.76µm (30µ") 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)

30

Plating min: Mating (µm)

0.76

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-87715-206

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

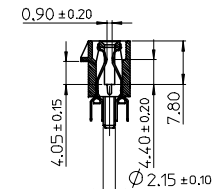
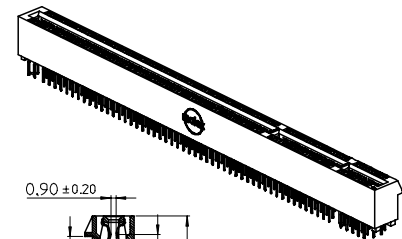
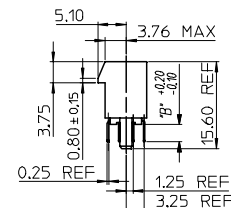
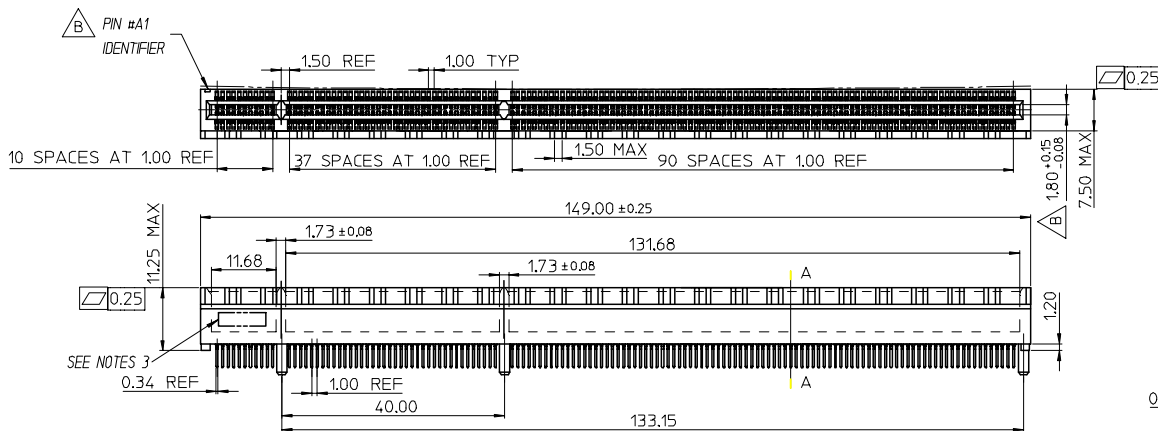
Sales Drawing
Test Summary

SD-87715-206
TS-87715-206

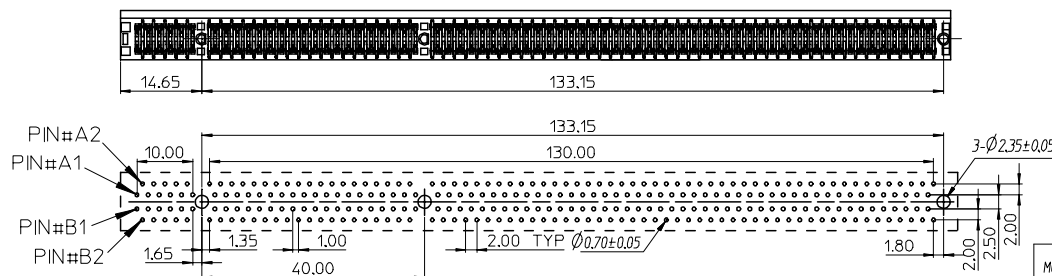
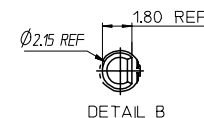
* PCI Express is a registered trademark of PCI-SIG®

This document was generated on 06/04/2010

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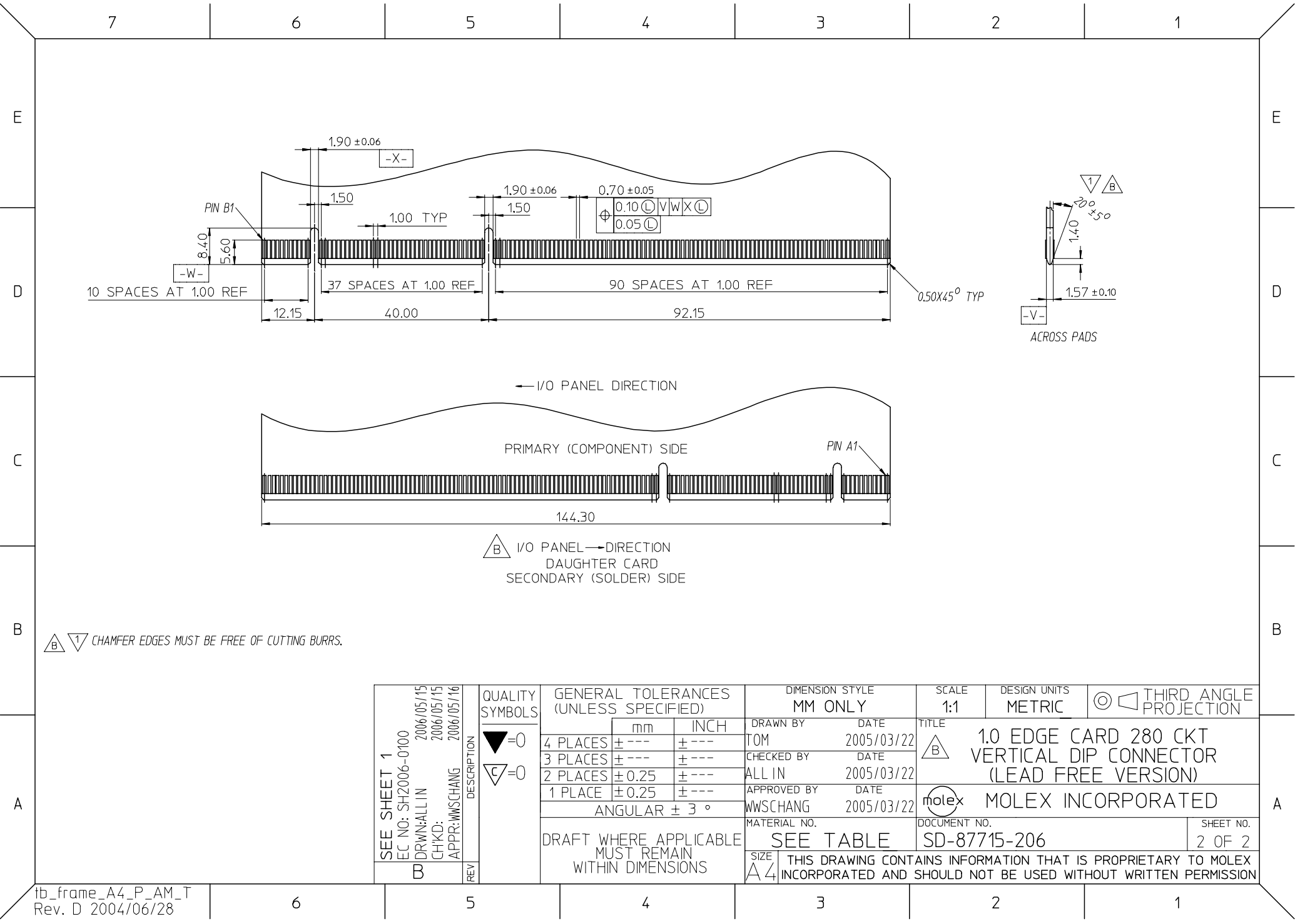
SECTION A-A



- 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 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				
				2 PLACES	± 0.25	± ---						
				1 PLACE	± 0.25	± ---						
				ANGULAR ± 3 °								
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-87715-206		SHEET NO. 1 OF 2	
			SIZE A4				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	± ---	ANGULAR ± 3 °					DOCUMENT NO. SD-87715-206
				1 PLACE	± 0.25	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
								SEE TABLE				
								SIZE A 4				

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<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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