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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

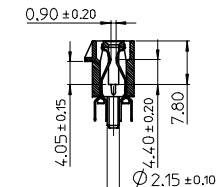
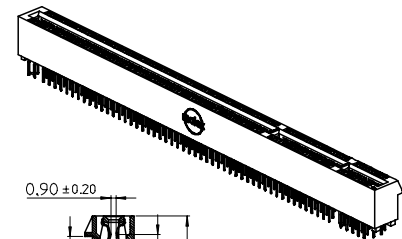
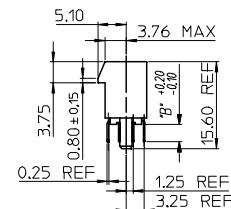
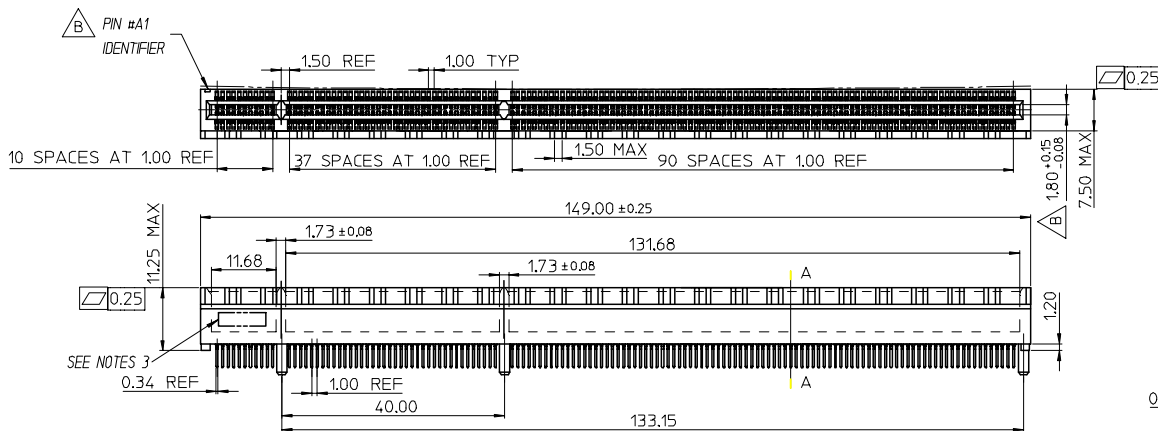
Sales Drawing
Test Summary

SD-87715-206
TS-87715-206

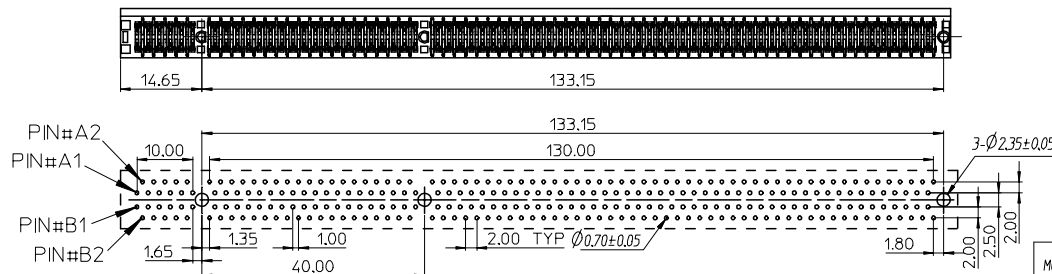
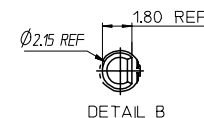
* PCI Express is a registered trademark of PCI-SIG®

This document was generated on 06/04/2010

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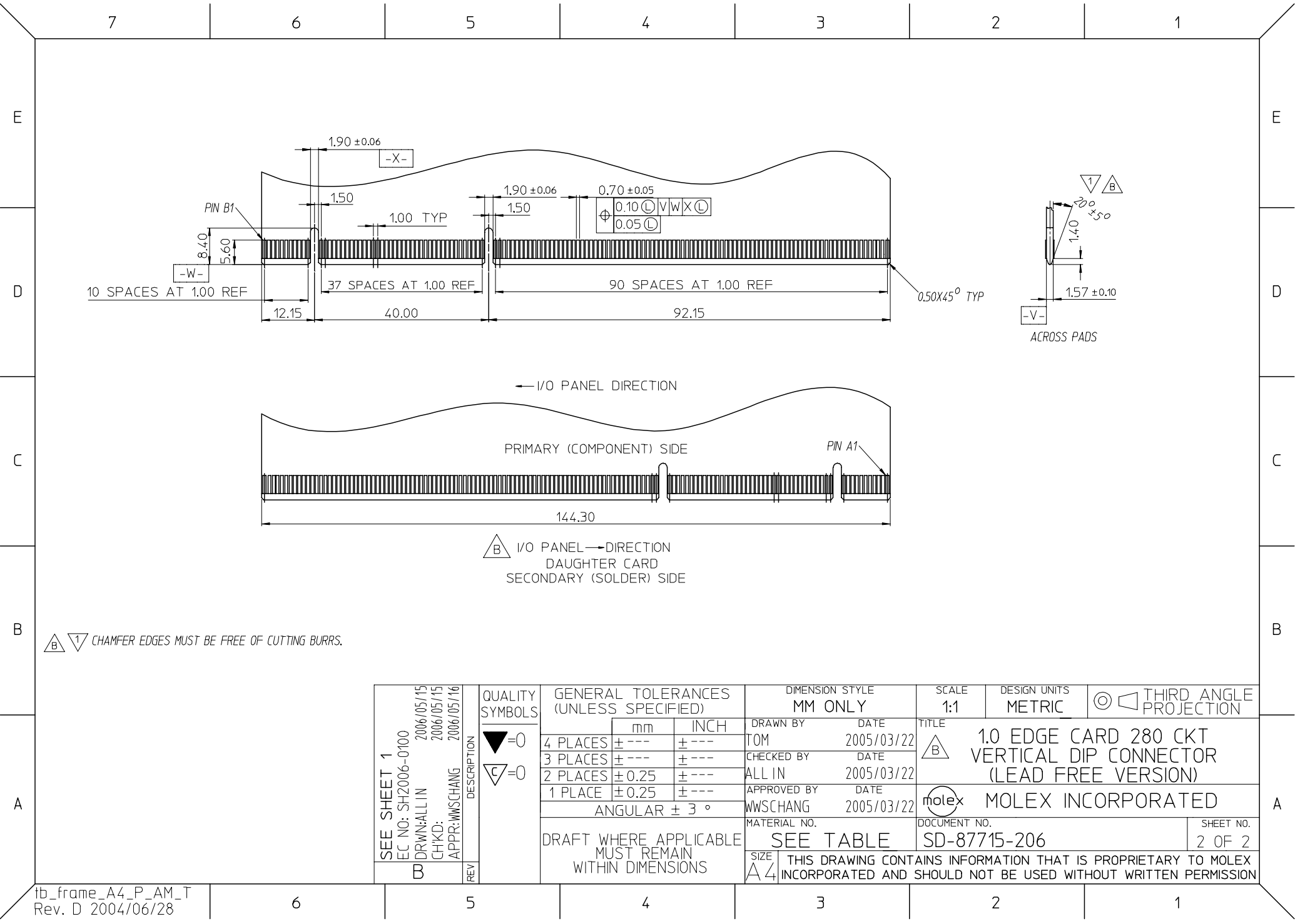
SECTION A-A



- 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		2006/05/15 2006/05/15 2006/05/16		DESCRIPTION REV	QUALITY SYMBOLS =0 =0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
DRWN: ALL IN		CHKD:				mm		INCH		DRAWN BY		DATE		TITLE
APPR: WWSCHANG						4 PLACES ± ---		± ---		TOM		2005/03/22		1.0 EDGE CARD 280 CKT VERTICAL DIP CONNECTOR (LEAD FREE VERSION)
						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.		DOCUMENT NO.		
										SEE TABLE				1 OF 2
								SIZE A 4		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		



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- 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.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- 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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