

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0877159910

Status:

Active

Overview:

Description:

1.00mm (.039") Pitch, PCI Express* Connector, 98 Circuits, Nylon 4/6 Glass-filled, Black Housing, Copper Alloy, 0.76µm (30µ") Gold (Au) Plating, with Beveled Metal Pins, 2.54mm (.100") Solder tail, Lead Free

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	Edge Card Connectors
Series	87715
Comments	PCI 8 lanes
Component Type	Edgecard to PCB
Overview	pci_express_card_edge_connector
Product Name	PCI Express*

Physical

Circuits (Loaded)	98
Circuits (maximum)	98
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
Plating min: Termination (µin)	100
Plating min: Termination (µm)	2.50
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-87715-204
Product Specification	PS-87715-200

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-87715-210
TS-87715-210

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

This document was generated on 06/04/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

10	9	8	7	6	5	4	3	2	1
PART NUMBER	DIM A	CONTACT AREA PLATING OPTION	SOLDER TAIL PLATING	PORT SIZE	TOTAL CKTS SIZE				
87715-9910	2.54	30 MICROINCH GOLD PLATED	100 MICROINCH MIN TIN OVER NICKEL PLATED OVERALL	8	98				
87715-9911	3.00	30 MICROINCH GOLD PLATED	100 MICROINCH MIN TIN OVER NICKEL PLATED OVERALL	8	98				

F

E

D

C

B

A

F

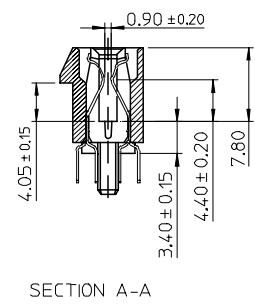
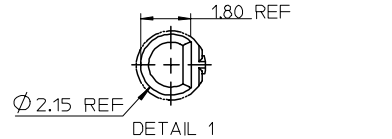
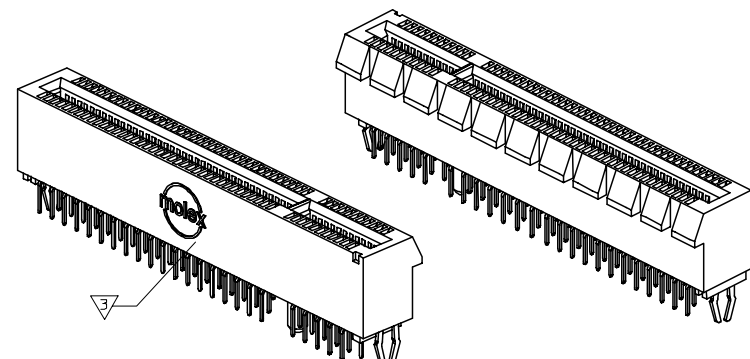
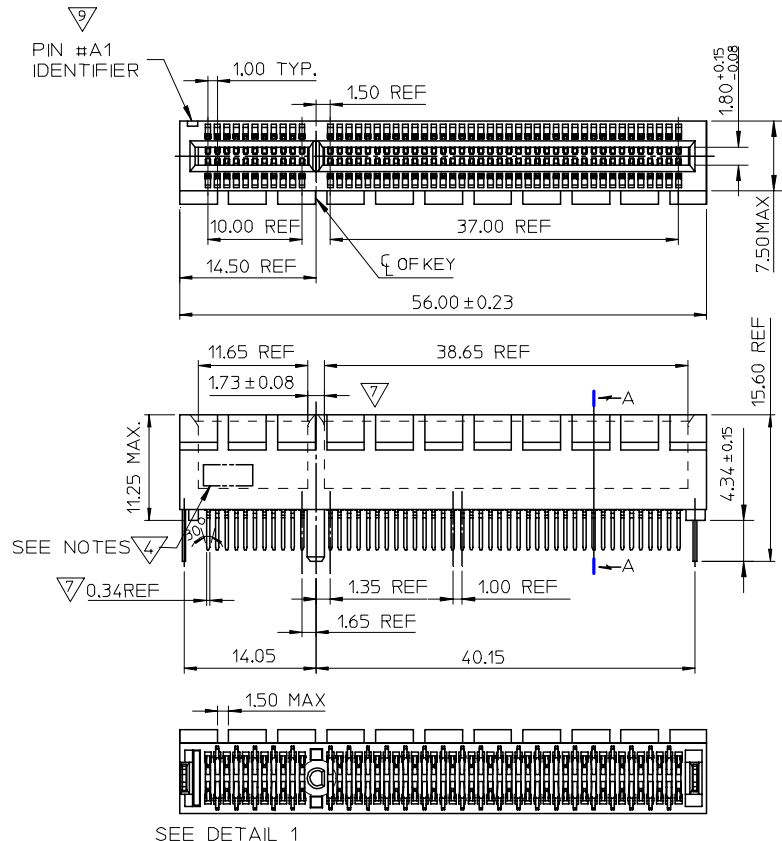
E

D

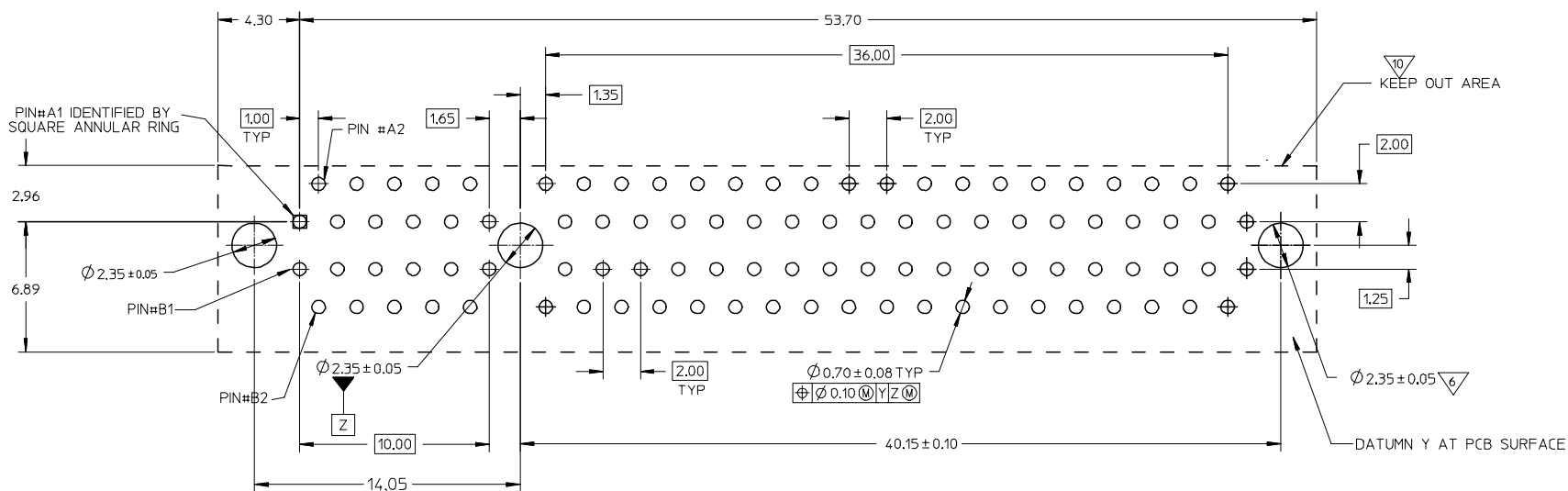
C

B

A



NEW RELEASED EC NO: SH2006-0549 DRWN:ALLIN CHKD: APPR:WWSCHANG	2006/05/15 2006/05/17	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	PCI EXPRESS X8 (98 CKTS) VERT DIP WITH BOARD LOCK (LEAD FREE VERSION) MOLEX INCORPORATED
					mm	INCH	DRAWN BY KEN LEE	DATE 2006/03/22	TITLE		
				4 PLACES	± ---	± ---	CHECKED BY	DATE			
				3 PLACES	± ---	± ---	ALLEN LIN	2006/03/22			
				2 PLACES	± 0.25	± ---	APPROVED BY	DATE			
				1 PLACE	± 0.25	± ---	WILSON CHANG	2006/03/22	 MOLEX INCORPORATED		
				ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-87715-210		1 OF 3					
		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							



NOTES:

- MATERIALS: HOUSING - HIGH TEMPERATURE THERMOPLASTIC, GLASS FIBER FILLED, UL 94-V0 (BLACK)
TERMINAL - COPPER ALLOY
- PLATING: CONTACT AREA - SEE TABLE IN SHEET 1
SOLDER TAILS - SEE TABLE IN SHEET 1
UNDERPLATING - SEE TABLE IN SHEET 1

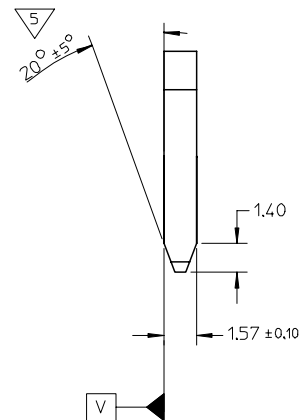
RECOMMENDED P.C.B. PATTERN (CONNECTOR SIDE)

THICKNESS: 1.57mm FOR 2.54mm SOLDER TAIL LENGTH
2.35mm FOR 3.00mm SOLDER TAIL LENGTH

- MOLEX LOGO
- DATE CODE - TO BE PRINTED
- CHAMFER EDGES OF EDGE CARD MUST BE FREE OF CUTTING BURRS
- THE HORIZONTAL AXIS FOR THE FOOTPRINT HOLE PATTERN IS ESTABLISHED BY A LINE THROUGH THE CENTRE OF THE TWO Ø 2.35 HOLES. THE VERTICAL AXIS IS 90° TO THE HORIZONTAL AXIS, THROUGH THE CENTRE OF DATUM Z
- FEATURES DESIGNED TO FUNCTIONALLY MATE/MOUNT(SLIP FIT) PER THE RECOMMENDED EDGE CARD AND PCB PATTERN.
- PINS FOR HOT PLUG PRESENCE DETECTION. NO TIE BAR PERMITTED FROM CARD EDGE TO LEADING EDGE OF PAD FOR THE HOT PLUG PINS.
- PIN #1 IDENTIFIER
- KEEP OUT AREA - NO EXTERNAL COMPONENTS ALLOWED ON PCB SURFACE

- PRODUCT SPECIFICATION REFER TO PS-87715-200.
- PACKAGE SPECIFICATION REFER TO PK-87715-204.
- TEST SUMMARY: REFER TO TS-87715-210.
- LEAD FREE AND RoHS COMPLIANT PRODUCT.

SEE SHEET 1	QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
	▽=0				DRAWN BY DATE		TITLE				
	▽=0		4 PLACES	± ---	± ---	KEN LEE	2006/03/22	PCI EXPRESS X8 (98 CKTS)			
			3 PLACES	± ---	± ---	CHECKED BY	DATE	VERT DIP WITH BOARD LOCK			
			2 PLACES	± 0.25	± ---	ALLEN LIN	2006/03/22	(LEAD FREE VERSION)			
			1 PLACE	± 0.25	± ---	APPROVED BY	DATE	MOLEX INCORPORATED			
			ANGULAR ± 3 °		WILSON CHANG 2006/03/22		DOCUMENT NO.		SHEET NO.		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-87715-210		2 OF 3		
					SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



tb_frame_A3_P_AM_T
Rev. D 2004/06/28

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

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9