

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0877159907

Status:

Active

Overview:

Description:

1.00mm (.039") Pitch, PCI Express* Connector, 98 Circuits, Nylon 4/6 Glass-filled, Black Housing, Phosphor Bronze, 0.38µm (15µ") Gold (Au) Plating, with Plastic Pegs, 3.00mm (.118") Solder tail, Connector Link Length 89.00mm (3.504"), Lead Free

Agency Certification	
CSA	LR19980
UL	E29179
General	
Product Family	Edge Card Connectors
Series	87715
Comments	PCI 16 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)	0.118 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
Solder Process Data	
Lead-free Process Capability	Wave Capable (TH only)
Process Temperature max. C	245
Material Info	
Reference - Drawing Numbers	

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

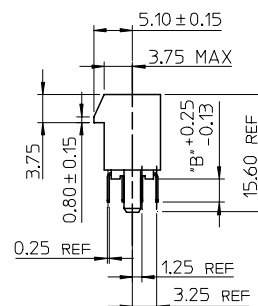
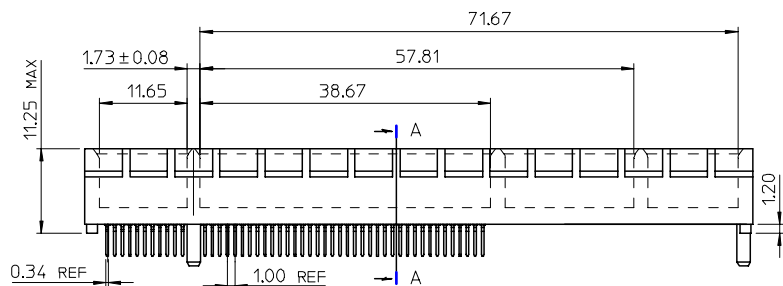
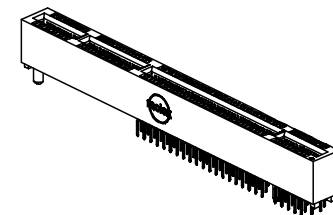
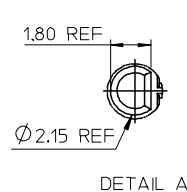
PCI Express Card

Packaging Specification	PK-87715-208
Sales Drawing	SD-87715-208

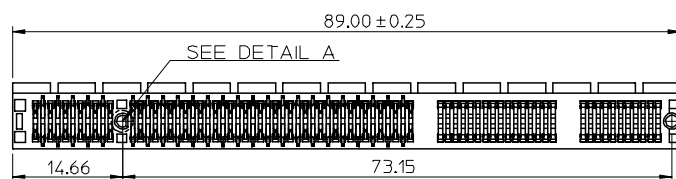
* PCI Express is a registered trademark of PCI-SIG®

This document was generated on 06/04/2010

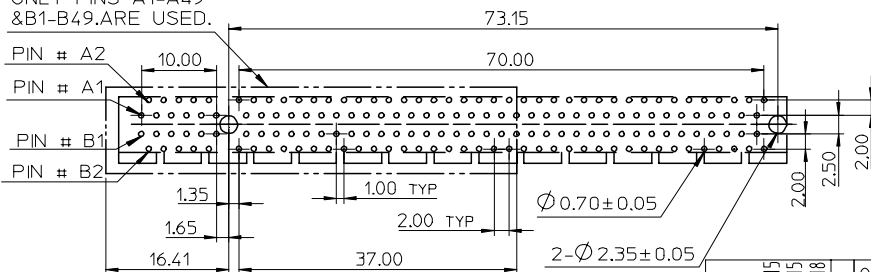
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



NOTES:
1.MATERIALS:
1-1.HOUSING:SEE TABLE, 30% 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-87715-203
6.TEST SUMMARY:REFER TO TS-87715-203
7.LEAD FREE AND RoHS COMPLIANT PRODUCT.



ONLY PINS A1-A49
&B1-B49.ARE USED.



MOLEX P/N	CIRCUIT SIZE	HOUSING MATERIAL	HOUSING COLOR	TERMINAL MATERIAL	CONTACT PLATING	SOLDERT AL PLATING	DIM"B"
87715-9902	N/A	NYLON46	BLACK	PHOSPHOR BROZNE	GOLD FLASH	100 MICROINCH MIN TIN OVER 50 MICROINCH NICKEL OVERALL	230
87715-9903							254
87715-9904							300
87715-9905	N/A	NYLON46	BLACK	PHOSPHOR BROZNE	GOLD 15 MICROINCH	100 MICROINCH MIN TIN OVER 50 MICROINCH NICKEL OVERALL	230
87715-9906							254
87715-9907							300

REV	DESCRIPTION	2006/05/18	2006/05/15	2006/05/15	2005-0094	EWR 2006-0005 & 0019
APPR:	WWSCHANG				2006-0100	
CHKD:						
DRWN:	ALLIN					
EC NO:	SH2006-0100					

QUALITY SYMBOLS	
	=0
	=0

GENERAL TOLERANCES
(UNLESS SPECIFIED)

	mm	INCH
4 PLACES	$\pm$ ---	$\pm$ ---
3 PLACES	$\pm$ ---	$\pm$ ---
2 PLACES	± 0.25	$\pm$ ---
1 PLACE	± 0.25	$\pm$ ---
ANGULAR $\pm 3^\circ$		

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY	DATE
TOM	2004/10/15
CHECKED BY	DATE
ALLEN LIN	2004/10/26
APPROVED BY	DATE
WILSON CHANG	2004/10/26

MATERIAL NO.	SEE TABLE
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SCALE

DESIGN UNITS
METRIC

©  THIRD ANGLE
PROJECTION

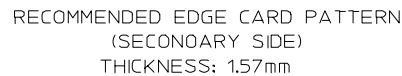
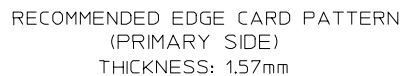
	TITLE	PROJECT
5	PCI EXPRESS X16 LOAD	
	98 CKT CONNECTOR	
6	(LEAD FREE VERSION)	

6  MOLEX INCORPORATED

DOCUMENT NO.
SD-87715-208

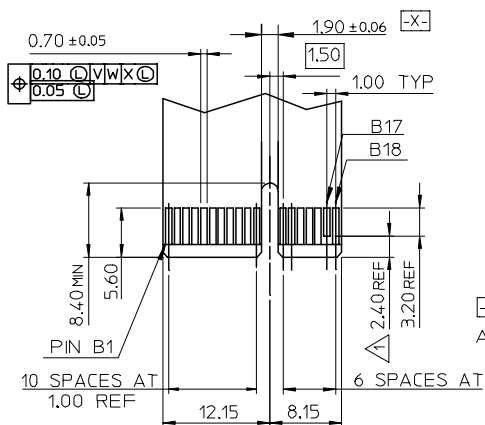
SHEET NO.
1 OF 2

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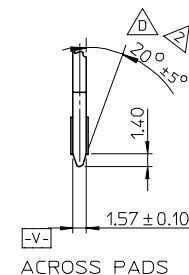


⚠ NO TIE BAR PERMITTED FROM CARD EDGE TO LEADING EDGE OF PAD FOR THE HOT PLUG PINS

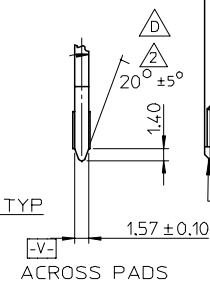
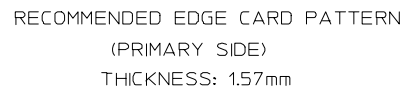
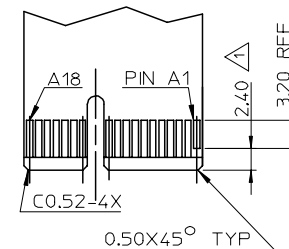
⚠ CHAMFER EDGES MUST BE FREE OF CUTTING BURRS.



RECOMMENDED EDGE CARD PATTERN
(PRIMARY SIDE)
THICKNESS: 1.57mm



RECOMMENDED EDGE CARD PATTERN
(SECONDARY SIDE)
THICKNESS: 1.57mm



RECOMMENDED EDGE CARD PATTERN
(SECONDARY SIDE)
THICKNESS: 1.57mm

SEE SHEET 1 EC NO: SH2006-0100 DRAWN: CALLIN CHKD: 2006/05/15 APPR: WMSCHANG 2006/05/18	DESCRIPTION DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
				mm	INCH	DRAWN BY TOM		DATE 2004/10/15		TITLE PCI EXPRESS X16 LOAD 98 CKT CONNECTOR (LEAD FREE VERSION) MOLEX INCORPORATED		
			4 PLACES	± ---	± ---	CHECKED BY		DATE				
			3 PLACES	± ---	± ---	ALLEN LIN		2004/10/26				
			2 PLACES	± 0.25	± ---	APPROVED BY		DATE				
			1 PLACE	± 0.25	± ---	WILSON CHANG		2004/10/26		DOCUMENT NO. SD-87715-208		SHEET NO. 2 OF 2
			ANGULAR ± 3 °			MATERIAL NO.						
			SIZE A3			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						



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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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