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Part Number:

0482009232

Status:

Active

Overview:

Description:

1.27mm (.050") Pitch Compact PCI Slot, Board-to-Board Edge Card Connector, Vertical, Double-Sided, Dual Read-Out, White, with Plastic Peg, 0.38µm (15µ") Gold (Au) Plating, Voltage 3.3V, 184 Circuits, Lead Free

General

Product Family	Edge Card Connectors
Series	48200
Comments	3V Card Configuration
Component Type	Edgecard to PCB
Overview	edge_card_connectors
Product Name	Edge Card

Physical

Circuits (Loaded)	184
Circuits (maximum)	184
Circuits Detail	All Signal
Durability (mating cycles max)	50
Entry Angle	Vertical (Top Entry)
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)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.050 In
Pitch - Mating Interface (mm)	1.27 mm
Plating min: Mating (µin)	15
Plating min: Mating (µm)	0.38
Polarized to Mating Part	Yes
Temperature Range - Operating	-10°C to +85°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	1A
Voltage - Maximum	30V

Solder Process Data

Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-48200-001
Product Specification	PS-48200-001
Sales Drawing	SD-48200-001
Test Summary	TS-48200-001

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Not Halogen-Free

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

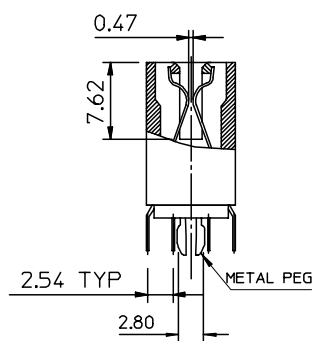
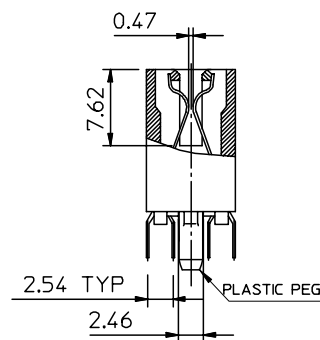
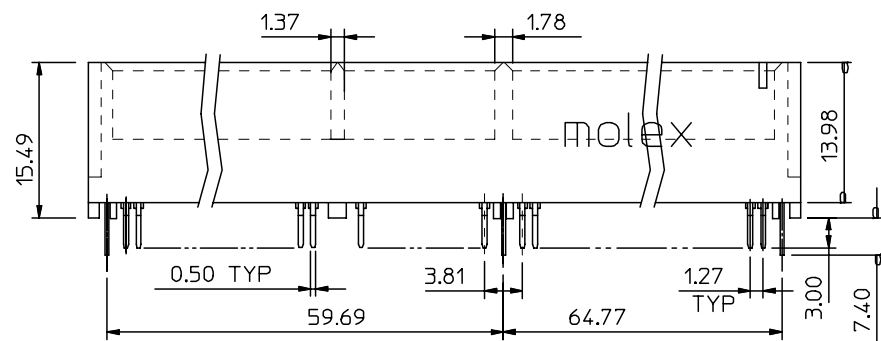
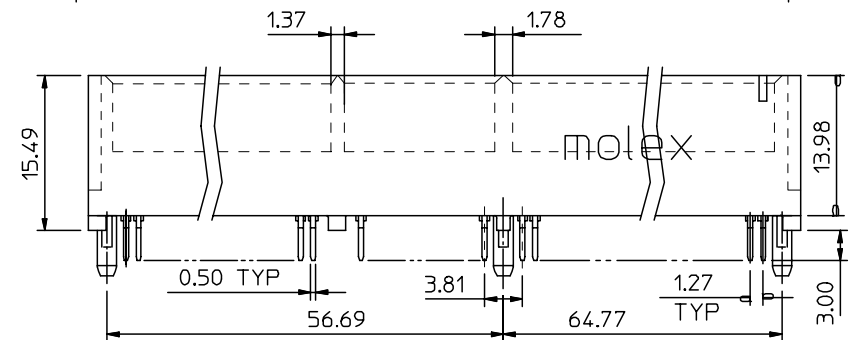
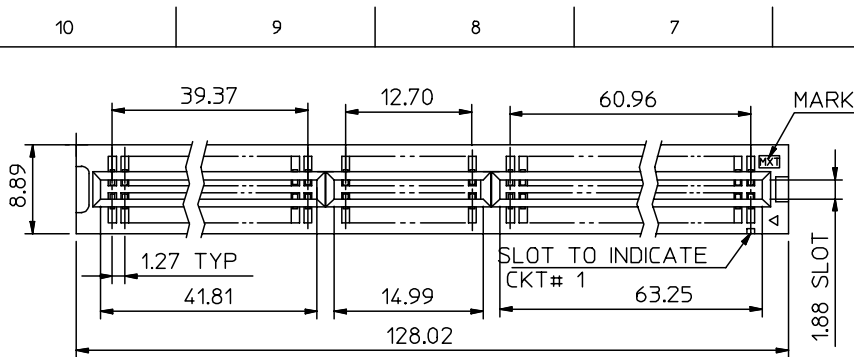
48200Series

Mates With

64-bit PCI card

This document was generated on 06/04/2010

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NOTES:

1. MATERIAL:

HOUSING : PPS

TERMINAL: PHOSPHOR BRONZE

2.FINISH 0 - GOLD FLASH IN CONTACT AREA, 152um/60uin MIN. TIN IN SOLDER TAIL, BOTH OVER 0.76um/30uin MIN. NICKEL OVERALL.

1 - 0.25um/10uin MIN. GOLD IN CONTACT AREA, 152um/60uin MIN. TIN IN SOLDER TAIL, BOTH OVER 0.76um/30uin MIN. NICKEL OVERALL.

2 - 0.38um/15uin MIN. GOLD IN CONTACT AREA, 152um/60uin MIN. TIN IN SOLDER TAIL, BOTH OVER 0.76um/30uin MIN. NICKEL OVERALL.

3 - 0.76um/30uin MIN. GOLD IN CONTACT AREA, 152um/60uin MIN. TIN IN SOLDER TAIL, BOTH OVER 0.76um/30uin MIN. NICKEL OVERALL.

4 - 0.50um/20uin MIN. GOLD IN CONTACT AREA, 152um/60uin MIN. TIN IN SOLDER TAIL, BOTH OVER 0.76um/30uin MIN. NICKEL OVERALL.

3. PRODUCT SPECIFICATION REFER TO PS-48200-001.

4. PRODUCT SPECIFICATION : PER PS-48200-001

5. TEST SUMMARY : PER TS-48200-001

6. PACKAGE SPECIFICATION : PK-48200-001

7. LEAD FREE AND ROHS COMPLIANT PRODUCT

PART NO. LEGEND : 48200 - 92**

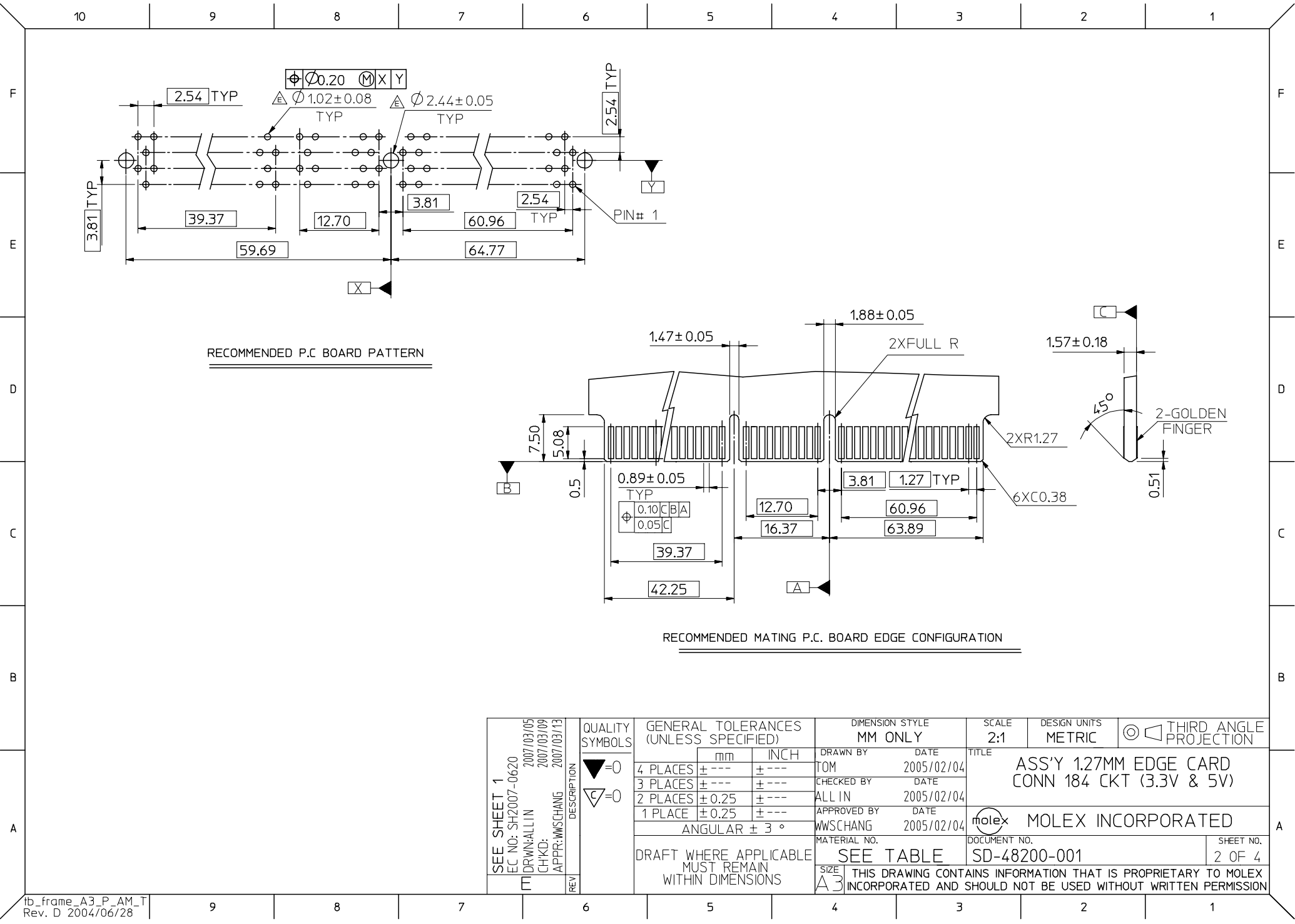
0:STANDARD , BROWN , 5V, PLASTIC PEG

1:STANDARD , WHITE , 5V, PLASTIC PEG

5:STANDARD , WHITE , 5V, METAL PEG

PLATING VERSION (REFER TO NOTES 2)

DRAWING ERROR				QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	TITLE
						MM ONLY		2:1	METRIC		
EC NO: 2007/03/05				DESCRIPTION	▽=0 ▽=0		DRAWN BY	DATE	ASS'Y 1.27MM EDGE CARD CONN 184 CKT (3.3V & 5V)		
DRW:NALLIN						4 PLACES	± ---	± ---			
CHKD: 2007/03/09				3 PLACES	± ---	± ---	CHECKED BY	DATE	MOLEX INCORPORATED		
APPR:WWSCHANG				2 PLACES	± 0.25	± ---	ALL IN	2005/02/04			
				1 PLACE	± 0.25	± ---	APPROVED BY	DATE	SD-48200-001		
				ANGULAR ± 3 °		WWSCHANG	2005/02/04				
				REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
						SEE TABLE				1 OF 4	
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							



RECOMMENDED P.C. BOARD PATTERN

RECOMMENDED MATING P.C. BOARD EDGE CONFIGURATION

SEE SHEET 1 EC NO: SH2007-0620 DRWN:ALLIN CHKD: APPR:WWSCHANG	2007/03/05 2007/03/09 2007/03/13	DESCRIPTION	REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				▽=0			DRAWN BY	DATE	TITLE ASS'Y 1.27MM EDGE CARD CONN 184 CKT (3.3V & 5V)					
				▽C=0	mm	INCH	TOM	2005/02/04						
					4 PLACES	± ---	± ---	CHECKED BY	DATE	MOLEX MOLEX INCORPORATED				
					3 PLACES	± ---	± ---	ALL IN	2005/02/04					
					2 PLACES	± 0.25	± ---	APPROVED BY	DATE					
	1 PLACE	± 0.25	± ---	WWSCHANG	2005/02/04	SHEET NO. 2 OF 4								
				ANGULAR ± 3 °							MATERIAL NO.			
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE								
						SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

SLOT TO INDICATE
CKT# 1

MARK

NOTES:

1. MATERIAL:

HOUSING : PPS

TERMINAL: PHOSPHOR BRONZE



0 - GOLD FLASH IN CONTACT AREA, 1.52um/60uin
MIN. TIN IN SOLDER TAIL, BOTH OVER 0.76um/
30uin MIN. NICKEL OVERALL.

1 - 0.25um/10uin MIN. GOLD IN CONTACT AREA,
1.52um/60uin MIN. TIN IN SOLDER TAIL, BOTH OVER
0.76um/30uin MIN. NICKEL OVERALL.

2 - 0.38um/15uin MIN. GOLD IN CONTACT AREA,
1.52um/60uin MIN. TIN IN SOLDER TAIL, BOTH OVER
0.76um/30uin MIN. NICKEL OVERALL.

3 - 0.76um/30uin MIN. GOLD IN CONTACT AREA,
1.52um/60uin MIN. TIN IN SOLDER TAIL, BOTH OVER
0.76um/30uin MIN. NICKEL OVERALL.

4 - 0.50um/20uin MIN. GOLD IN CONTACT AREA,
1.52um/60uin MIN. TIN IN SOLDER TAIL, BOTH OVER
0.76um/30uin MIN. NICKEL OVERALL.

3. PROCUDT SPECIFICATION REFER TO PS-48200-001.

4. PRODUCT SPECIFICATION : PER PS-48200-001

5. TEST SUMMARY : PER TS-48200-001

6. PACKAGE SPECIFICATION : PK-48200-001

7. LEAD FREE AND ROHS COMPLIANT PRODUCT

PART NO. LEGEND : 48200 - 92**

PEG VERSION, COLOR PLATING VERSION
(SEE NOTES 2)

2 : STANDARD , BROWN , 3.3V, PLASTIC PEG

3 : STANDARD , WHITE , 3.3V, PLASTIC PEG

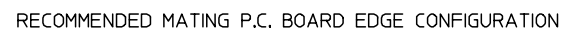
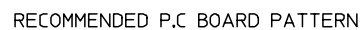
4 : STANDARD , RED , 3.3V, PLASTIC PEG

6 : STANDARD , WHITE, 3.3V, METAL PEG

7 : STANDARD , GREEN , 3.3V, PLASTIC PEG
(PANTON COLOR 365C)

8 : STANDARD , BLACK , 3.3V, PLASTIC PEG

SEE SHEET 1 EC NO: SH2007-0620 2007/03/05 DRWN:ALLIN 2007/03/09 CHKD: APPR:WWSCHANG 2007/03/13	QUALITY SYMBOLS ▽=0 ◇=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
			mm	INCH	DRAWN BY	DATE	TITLE ASS'Y 1.27MM EDGE CARD CONN 184 CKT (3.3V & 5V)			
		4 PLACES	± ---	± ---	TOM	2005/02/04				
		3 PLACES	± ---	± ---	CHECKED BY	DATE				
		2 PLACES	± 0.25	± ---	ALL IN	2005/02/04	MOLEX INCORPORATED			
		1 PLACE	± 0.25	± ---	APPROVED BY	DATE				
ANGULAR ± 3 °		WWSCHANG	2005/02/04	DOCUMENT NO.		SHEET NO.				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-48200-001		3 OF 4				
REV	DESCRIPTION	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								



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Rev. D 2004/06/28