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Part Number: 0482009250

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 Metal Peg, Gold (Au) Flash, Voltage 5V, 184 Circuits, Lead Free

EU RoHS
ELV and RoHS Compliant

China RoHS

REACH SVHC
Not Reviewed

Halogen-Free Status
Not Reviewed

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

General

Product Family	Edge Card Connectors
Series	48200
Comments	5V 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
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

Lead-free Process Capability	Wave Capable (TH only)
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

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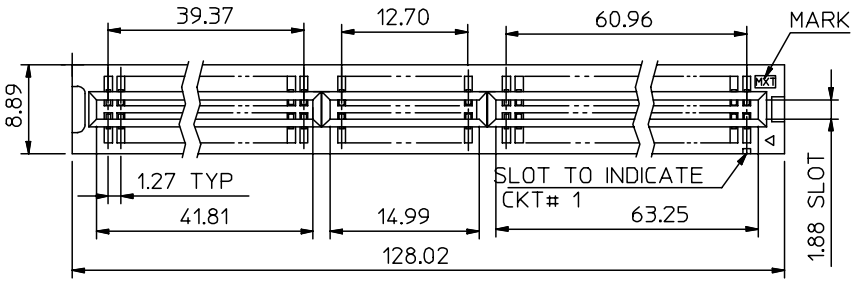
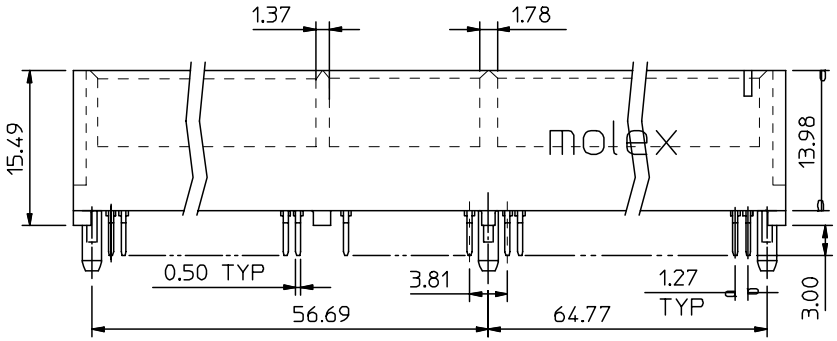
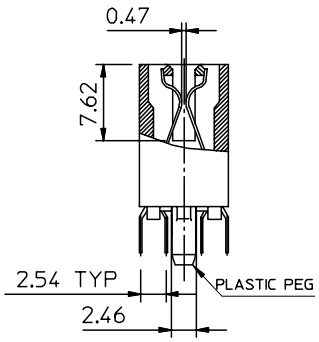
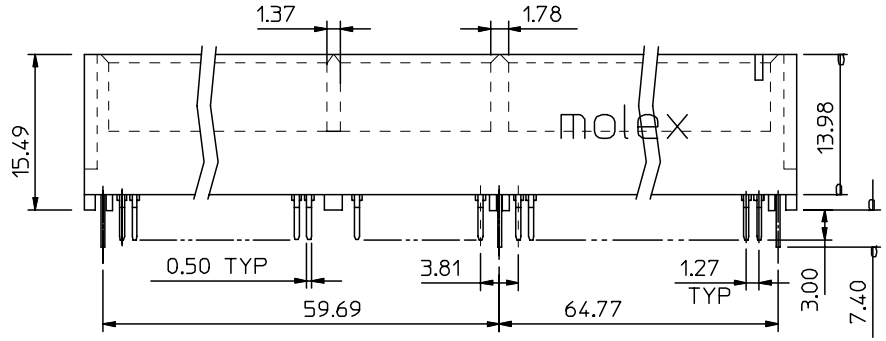
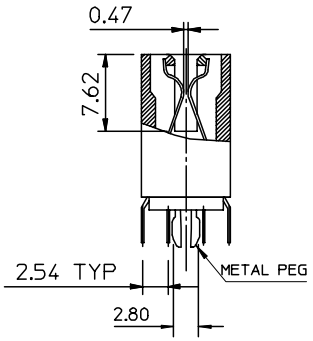










NOTES:

1. MATERIAL:

HOUSING : PPS

TERMINAL: PHOSPHOR BRONZE

△C 2.FINISH 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. 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**

PEG VERSION, COLOR — PLATING VERSION (REFER TO NOTES 2)

0:STANDARD , BROWN , 5V, PLASTIC PEG
1:STANDARD , WHITE , 5V, PLASTIC PEG
5:STANDARD , WHITE , 5V, METAL PEG

DRAWING ERROR
EC NO: DESCRIPTION REV
DRWN:ALLIN 2007/03/05
CHKD: 2007/03/09
APPR:WWSCHANG 2007/03/13

QUALITY SYMBOLS
▼=0
△C=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

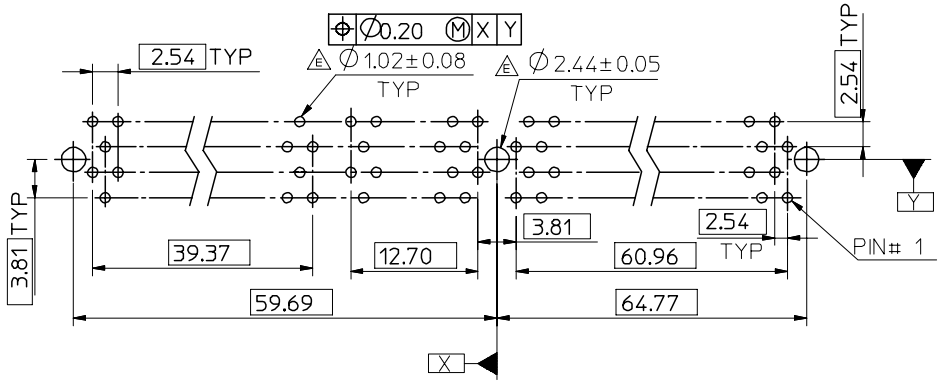
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.25	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 3 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

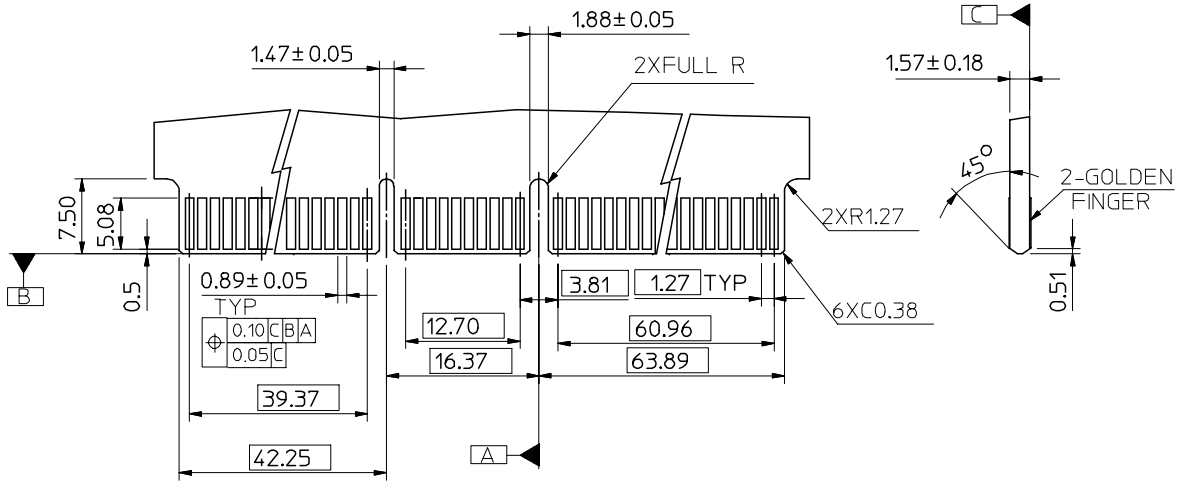
DIMENSION STYLE: MM ONLY	SCALE: 2:1	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: TOM DATE: 2005/02/04	TITLE: ASS'Y 1.27MM EDGE CARD CONN 184 CKT (3.3V & 5V)		
CHECKED BY: ALLIN DATE: 2005/02/04			
APPROVED BY: WWSCHANG DATE: 2005/02/04	molex MOLEX INCORPORATED		
MATERIAL NO.: SEE TABLE	DOCUMENT NO.: SD-48200-001	SHEET NO.: 1 OF 4	

SIZE A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION



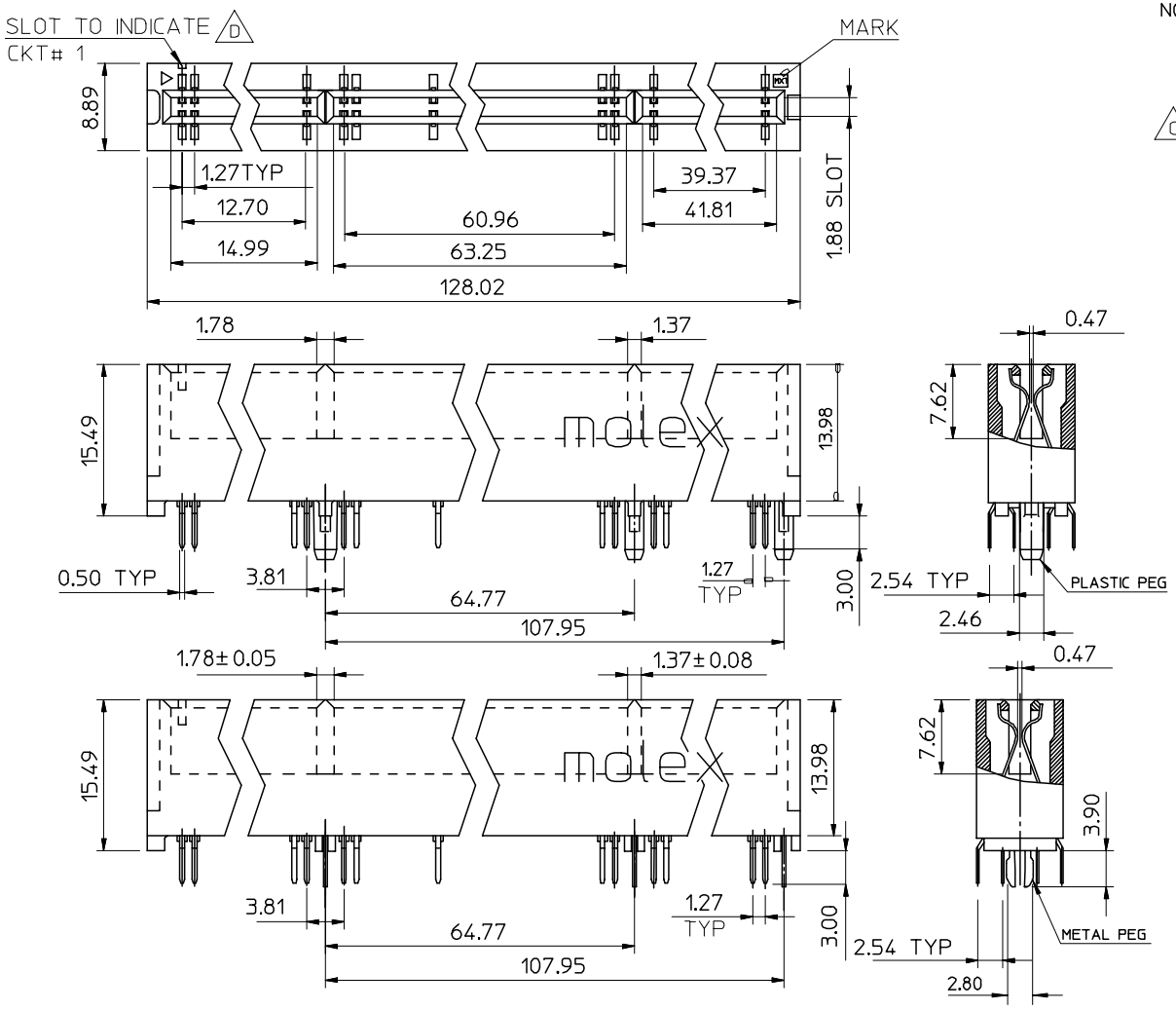
RECOMMENDED P.C BOARD PATTERN



RECOMMENDED MATING P.C. BOARD EDGE CONFIGURATION

SEE SHEET 1	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)
EC NO: SH2007-0620 2007/03/05	▼=0	mm / INCH
DRWN:ALLIN 2007/03/09	▽C=0	4 PLACES ± --- / ± ---
CHKD: 2007/03/13		3 PLACES ± --- / ± ---
APPR:WWSCHANG DESCRIPTION		2 PLACES ± 0.25 / ± ---
REV		1 PLACE ± 0.25 / ± ---
		ANGULAR ± 3 °
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY	SCALE: 2:1	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: TOM DATE: 2005/02/04	TITLE: ASS'Y 1.27MM EDGE CARD CONN 184 CKT (3.3V & 5V)		
CHECKED BY: ALLIN DATE: 2005/02/04			
APPROVED BY: WWSCHANG DATE: 2005/02/04	MOLEX INCORPORATED		
MATERIAL NO.: SEE TABLE	DOCUMENT NO.: SD-48200-001	SHEET NO.: 2 OF 4	
SIZE: A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		



NOTES:

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TERMINAL: PHOSPHOR BRONZE

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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

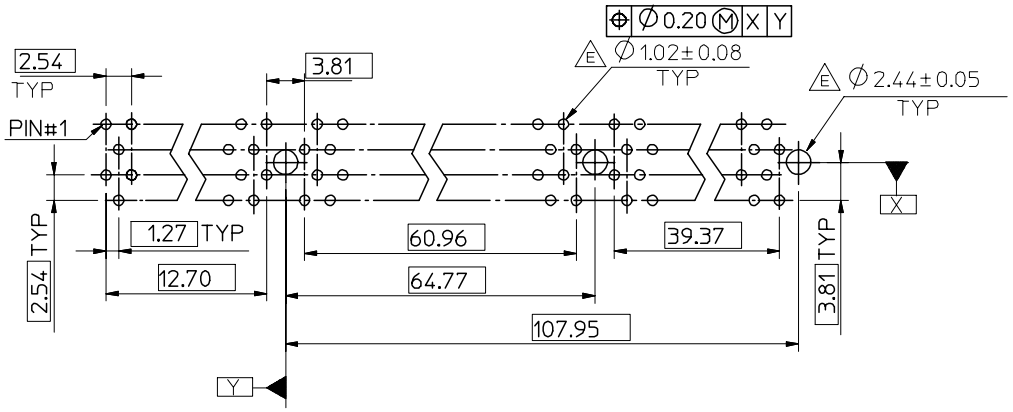
6 : STANDARD , WHITE, 3.3V, METAL PEG

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

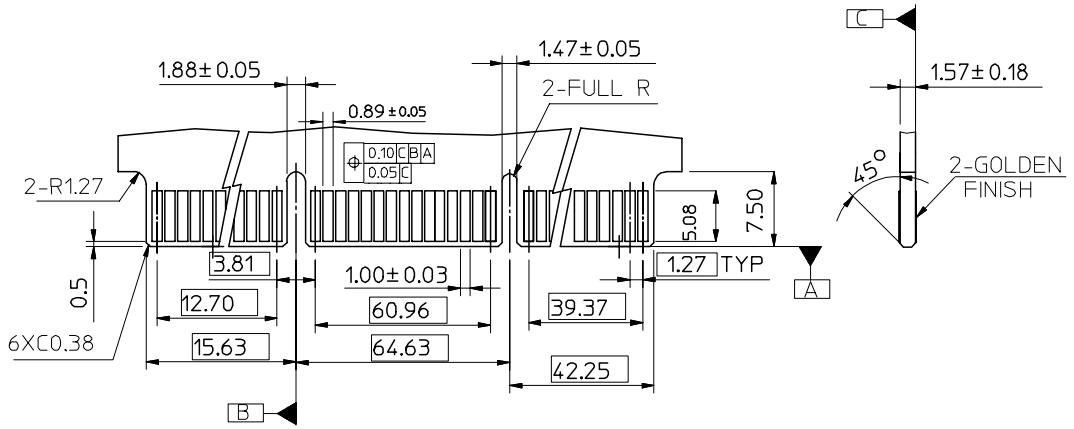
8 : STANDARD , BLACK , 3.3V, PLASTIC PEG

SEE SHEET 1	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)
EC NO: SH2007-0620 2007/03/05	▼=0	mm / INCH
DRWN:ALLIN 2007/03/09	C=0	4 PLACES ± --- / ± ---
CHKD: 2007/03/13		3 PLACES ± --- / ± ---
APPR:WWSCHANG		2 PLACES ± 0.25 / ± ---
DESCRIPTION		1 PLACE ± 0.25 / ± ---
REV		ANGULAR ± 3 °
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY	SCALE: 2:1	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: TOM — DATE: 2005/02/04	TITLE: ASS'Y 1.27MM EDGE CARD CONN 184 CKT (3.3V & 5V)		
CHECKED BY: ALLIN — DATE: 2005/02/04			
APPROVED BY: WWSCHANG — DATE: 2005/02/04	molex MOLEX INCORPORATED		
MATERIAL NO.: SEE TABLE	DOCUMENT NO.: SD-48200-001	SHEET NO.: 3 OF 4	
SIZE: A3	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 2007/03/05
DRWN:ALLIN 2007/03/09
CHKD:
APPR:WWSCHANG 2007/03/13
DESCRIPTION
REV

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.25	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 3 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: TOM DATE: 2005/02/04
CHECKED BY: ALLIN DATE: 2005/02/04
APPROVED BY: WWSCHANG DATE: 2005/02/04

TITLE: ASS'Y 1.27MM EDGE CARD CONN 184 CKT (3.3V & 5V)

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-48200-001
SHEET NO.: 4 OF 4
SIZE: A3

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