

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0482009200

Status:

Active

Overview:

Description:

1.27mm (.050") Pitch Compact PCI Slot, Board-to-Board Edge Card Connector, Vertical, Double-Sided, Dual Read-Out, Brown, with Plastic Peg, Gold (Au) Flash, Voltage 5V, 184 Circuits, Lead Free

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, RPS-48200-002

Sales Drawing

SD-48200-001

Test Summary

TS-48200-001

EU RoHS

ELV and RoHS
Compliant
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.

China RoHS

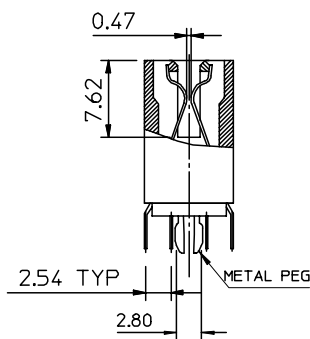
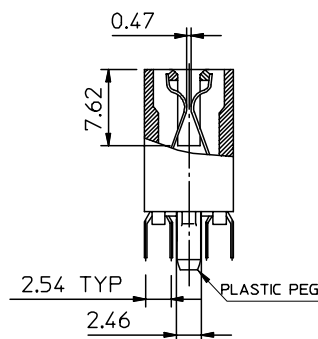
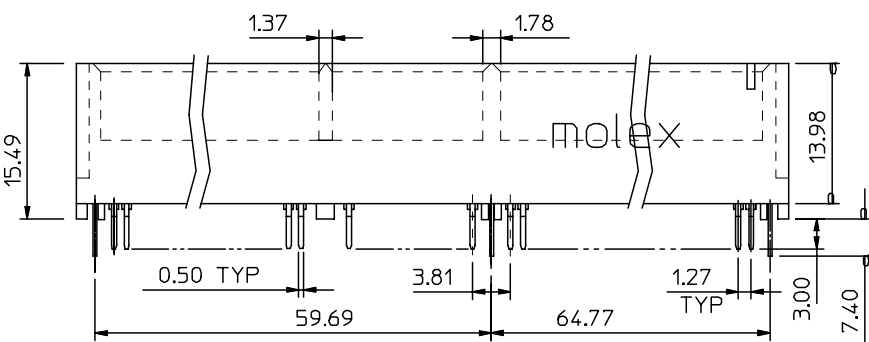


Search Parts in this Series

48200Series

Mates With

64-bit PCI card



NOTES:

1. MATERIAL:

HOUSING : PPS

TERMINAL: PHOSPHOR BRONZE

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

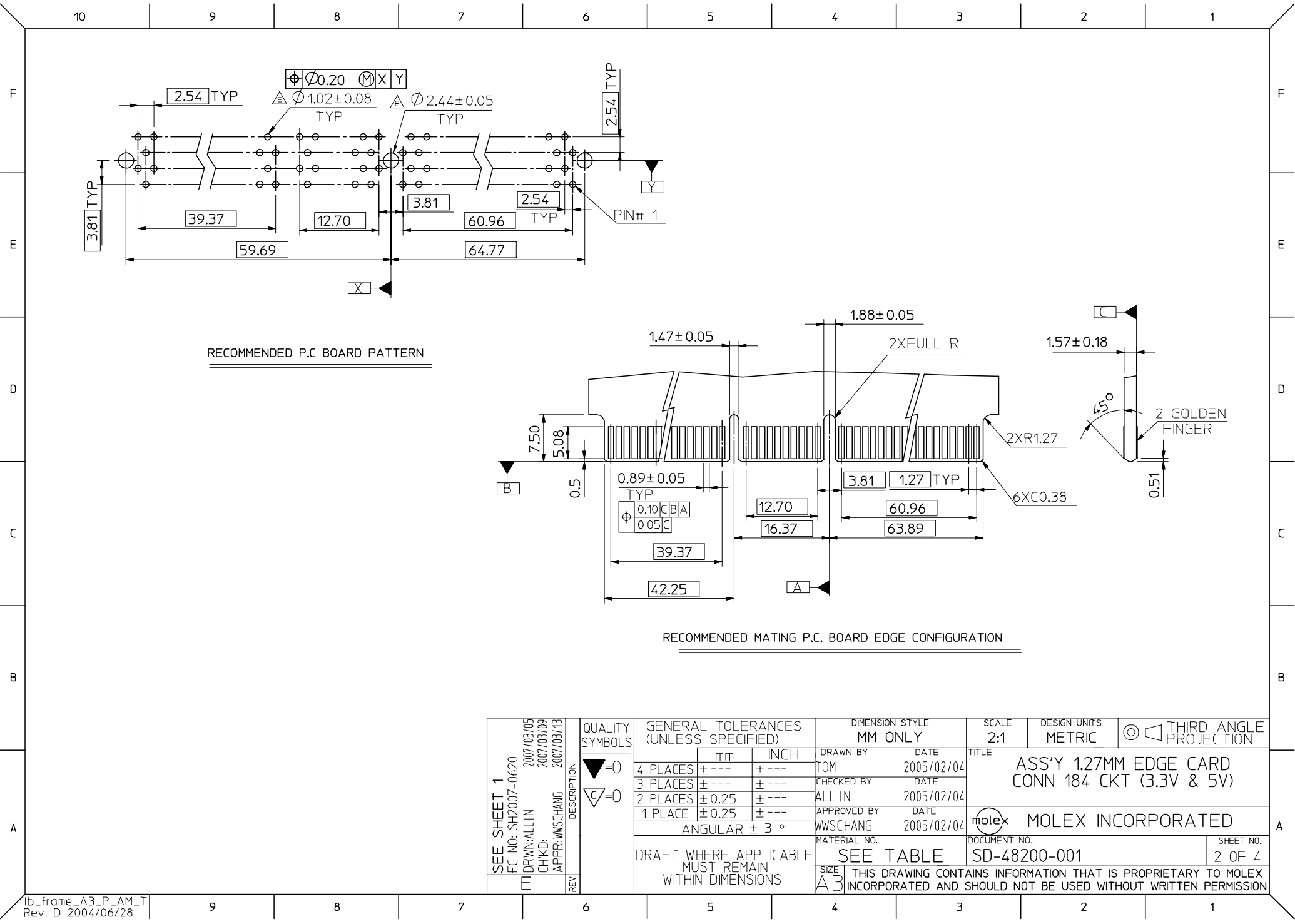
— PLATING VERSION
(REFER TO NOTES 2)

0:STANDARD , BROWN , 5V, PLASTIC PEG

1:STANDARD , WHITE , 5V, PLASTIC PEG

5:STANDARD , WHITE , 5V, METAL PEG

[illegible]



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	QUALITY SYMBOLS ▽=0 ▽C=0	DESCRIPTION	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 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		MATERIAL NO.		SD-48200-001		2 OF 4			
					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



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MIN. TIN IN SOLDER TAIL, BOTH OVER 0.76um/
30uin MIN. NICKEL OVERALL.

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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

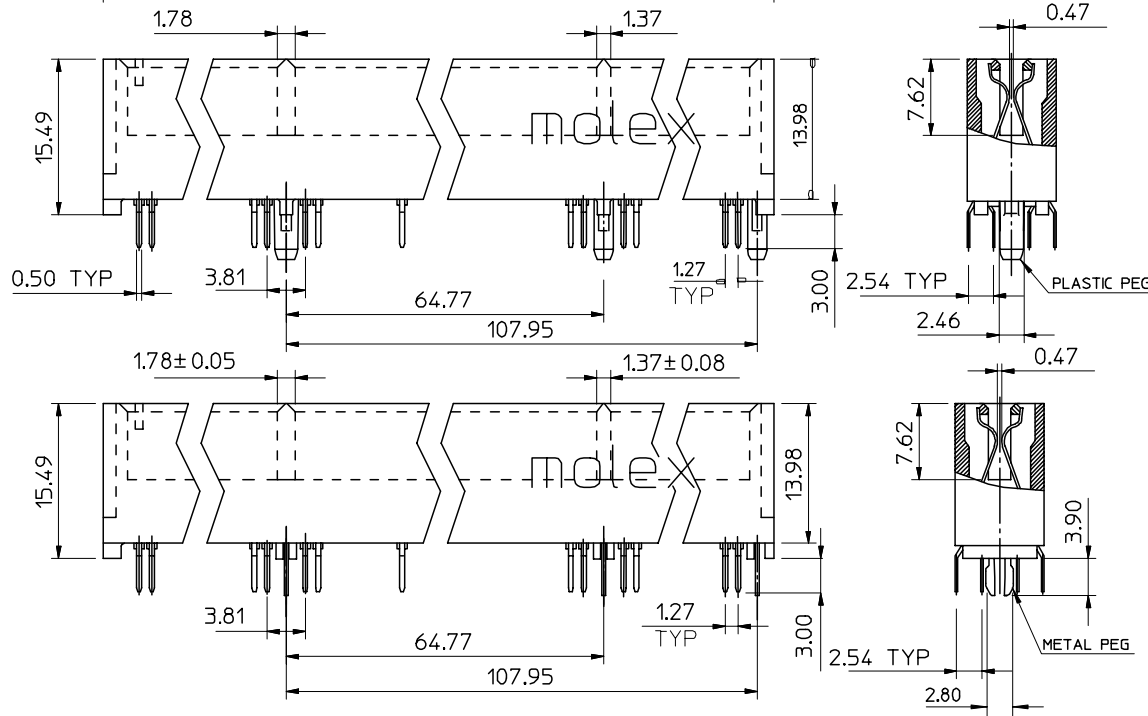
3 : STANDARD , WHITE , 3.3V, PLASTIC PEG

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		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION				
			MM ONLY		2:1	METRIC					
			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	MOLEX INCORPORATED			
			2 PLACES	± 0.25	± ---	ALL IN	2005/02/04				
1 PLACE	± 0.25	± ---	APPROVED BY	DATE	MOLEX INCORPORATED						
ANGULAR ± 3 °		WWSCHANG	2005/02/04	SD-48200-001							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.						DOCUMENT NO.		SHEET NO.	
		SEE TABLE				3 OF 4					
REV	DESCRIPTION	SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							
		A3									

10 9 8 7 6 5 4 3 2 1

F

F

E

E

D

D

C

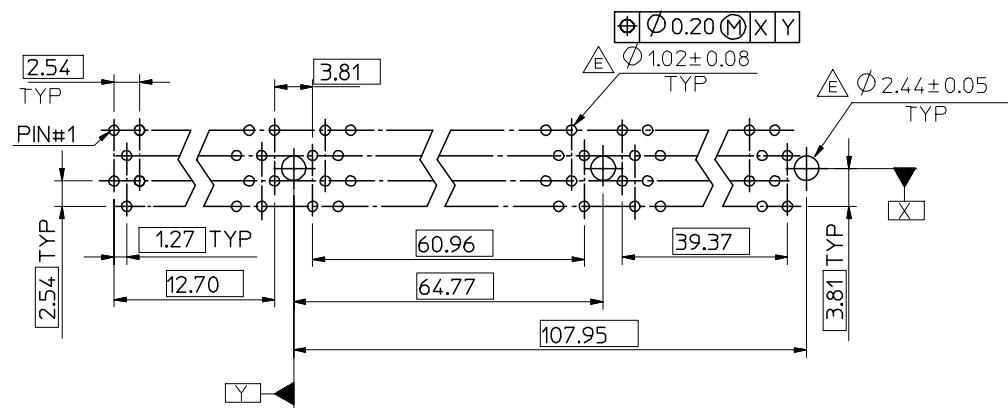
C

B

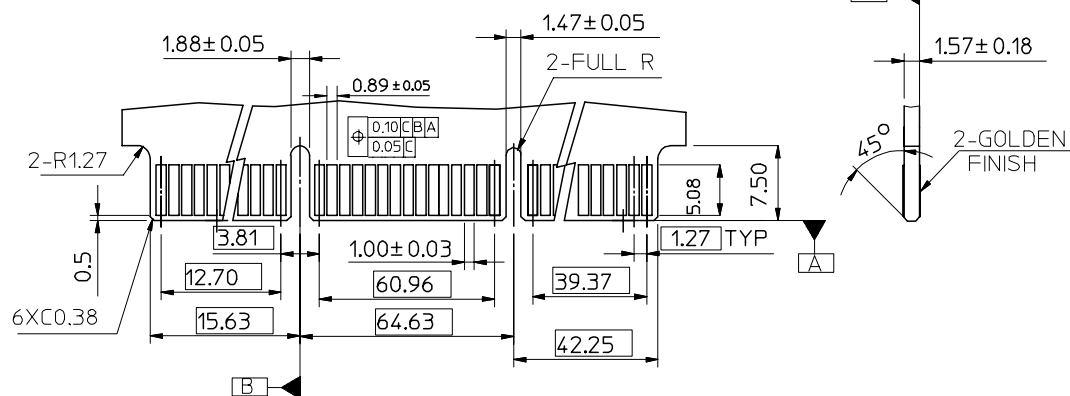
B

A

A



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			4 PLACES 3 PLACES 2 PLACES 1 PLACE	mm	INCH	DRAWN BY TOM	DATE 2005/02/04	TITLE ASS'Y 1.27MM EDGE CARD CONN 184 CKT (3.3V & 5V)				
				± ---	± ---	CHECKED BY ALL IN	DATE 2005/02/04					
				± 0.25	± ---	APPROVED BY WWSCHANG	DATE 2005/02/04					
				± 0.25	± ---	MOLEX MOLEX INCORPORATED						
			ANGULAR ± 3 °			MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE TABLE		SD-48200-001		4 OF 4		
SIZE A3										THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		