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Part Number: [0482111201](#)
Status: **Active**
Description: 0.80mm (.031") Pitch MDC Board-to-Board Receptacle, Surface Mount, Vertical, 4.20mm (.165") Mated Height, 12 Circuits, Lead Free

Documents:

[3D Model](#) [Product Specification PS-48126-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family PCB Receptacles
Series [48211](#)
Application Board-to-Board
Product Name MDC

Physical

Circuits (Loaded) 12
Durability (mating cycles max) 50
Glow-Wire Compliant No
Lock to Mating Part Yes
Material - Metal Copper
Material - Plating Mating Tin
Material - Plating Termination Tin
Number of Rows 2
Orientation Vertical
PCB Locator Yes
PCB Retention Yes
Packaging Type Embossed Tape on Reel
Pitch - Mating Interface (in) 0.031 In
Pitch - Mating Interface (mm) 0.80 mm
Polarized to Mating Part Yes
Polarized to PCB No
Surface Mount Compatible (SMC) N/A
Temperature Range - Operating -40°C to +85°C
Termination Interface: Style Surface Mount

Electrical

Current - Maximum per Contact 0.5A
Voltage - Maximum 50V DC

Solder Process Data

Lead-free Process Capability Reflow Capable (SMT only)
Process Temperature max. C 260

Material Info

Reference - Drawing Numbers

Packaging Specification PK-48211-001
Product Specification PS-48126-001
Sales Drawing SD-48211-001
Test Summary TS-48210-001

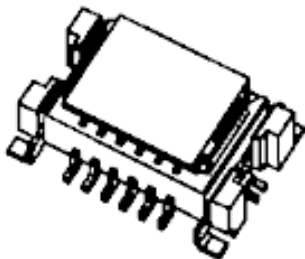


image - Reference only

Series

EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Contains SVHC: No
Halogen-Free
Status

China RoHS



**Need more information on product
environmental compliance?**

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of
Compliance, [click here](#)

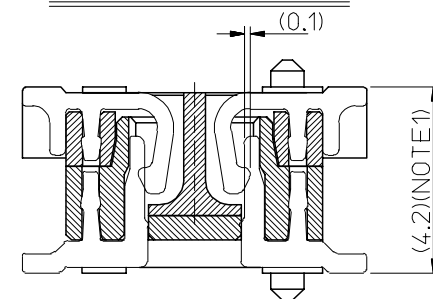
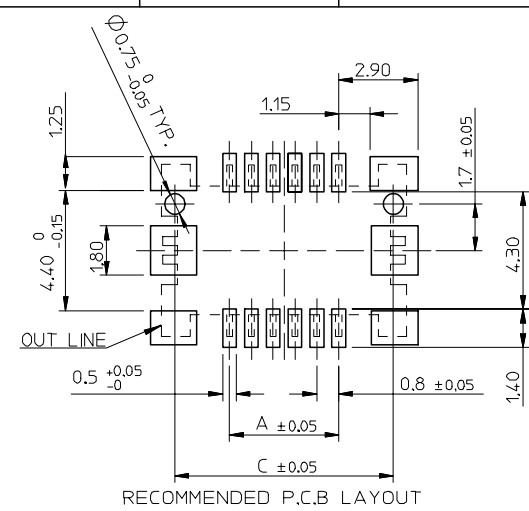
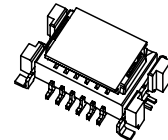
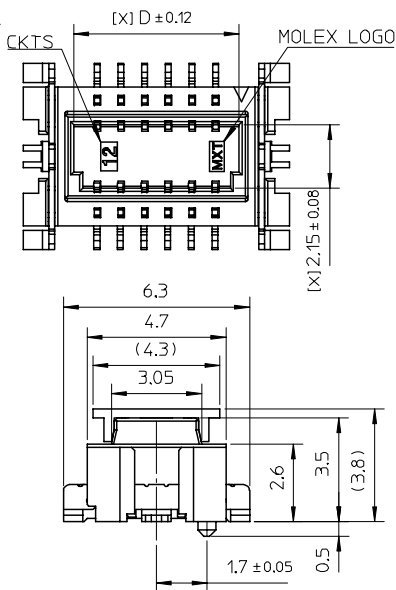
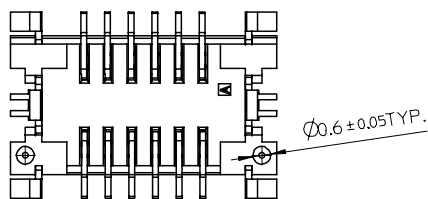
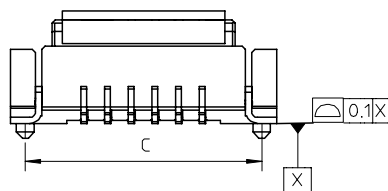
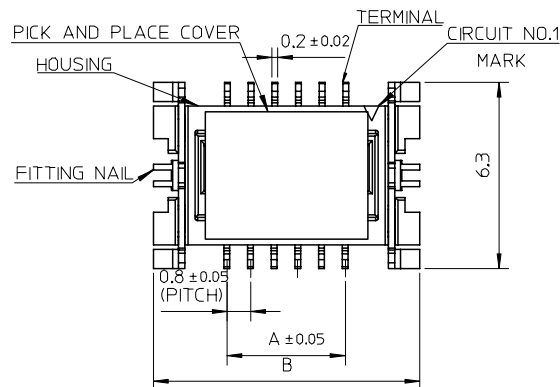
Please visit the [Contact Us](#) section for any
non-product compliance questions.

Search Parts in this Series

[48211Series](#)

Mates With

[48126](#)



MATED CONDITION SECTION

DIMA	DIMB	DIMC	DIMD	CKT	Available
3.2	8.2	7.2	4.8	10	-
4.0	9.0	8.0	5.6	12	YES
4.8	9.8	8.8	6.4	14	-
5.6	10.6	9.6	7.2	16	-
7.2	12.2	11.2	8.8	20	-
8.8	13.8	12.8	10.4	24	-
11.2	16.2	15.2	12.8	30	YES

NOTES

1.COPLANARITY IS 0.1MM MAX.
2.MATERIAL : HOUSING-HIGH TEMPERATURE THERMOPLASTIC, GLASS FILLED, UL 94V-0, COLOR: NATURE(WHITE)
TERMINAL- COPPER ALLOY,
FITTING NAIL- COPPER ALLOY
PICK AND PLACE COVER-HIGH TEMPERATURE THERMOPLASTIC, GLASS FILLED,UL 94V-0, COLOR: NATURE(WHITE)

3.FINISHES : TERMINAL : 48211-XX01:
TIN MATT PLATED OVER ALL
THICKNESS :0.05 MICROMETER
NICKEL UNDERPLATED OVER ALL,
THICKNESS :1.27 MICROMETER
48211-XX11:
GOLD FLASH OVER ALL
THICKNESS : 0.025 MICROMETER MINIMUM,
NICKEL UNDERPLATED OVER ALL
THICKNESS :1.27 MICROMETER MINIMUM,
FITTING NAIL :48211-XX01:
TIN MATT PLATED OVER ALL
THICKNESS :0.025 MICROMETER MINIMUM,
NICKEL UNDERPLATED OVER ALL,
THICKNESS :1.27 MICROMETER MINIMUM,

4.PRODUCT SPECIFICATION REFER TO PS-48126-001
5.DRAWING PACKAGING REFER TO PK-48211-001
6.TEST SUMMARY REFER TO TS-48210-001
7.MATED WITH 48126-SERIES
8.P/N LEGEND 48211-XXX1

NO OF CKTS PLATING
0:MATT TIN
1:GOLD FLASH OVER ALL

9.LEAD-FREE AND ROHS COMPLIANCE

RELEASED	EC NO: SH2005-02248	2005/11/03	2005/11/03	2005/11/04
DRW:KXA001	CHKD:	APPR:WWSCHANG		
B	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	
DRAWN BY	DATE
BERNIE	2005/02/02
CHECKED BY	DATE
ERIC	2005/02/02
APPROVED BY	DATE
WILSON	2005/02/02
MATERIAL NO.	
SEE NOTES	
SIZE	
A3	

SCALE 6:1	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION
TITLE		
MDC 0.8 MM BTB RECEPTACLE CONNECTOR (LEAD-FREE VERSION)		
 MOLEX INCORPORATED		
DOCUMENT NO. SD-48211-001		SHEET NO. 1 OF 1
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