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Part Number: [0877910116](#)
Status: **Active**
Description: 2.00mm (.079") Pitch Board-to-Board Panel Detachable, PCB Receptacle, Surface Mount, 16 Circuits, Gold (Au) Selective Plating, Tray Packaging, Lead-free

Documents:

[3D Model](#) [Product Specification PS-87791-014 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	PCB Receptacles
Series	87791
Application	Board-to-Board
Comments	Panel Detachable
Product Name	N/A

Physical

Circuits (Loaded)	16
Durability (mating cycles max)	15,000
Glow-Wire Compliant	No
Lock to Mating Part	None
Mated Height (in)	0.309 In
Mated Height (mm)	7.85 mm
Material - Metal	Copper
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Number of Rows	2
Orientation	Vertical
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)	0.079 In
Pitch - Mating Interface (mm)	2.00 mm
Polarized to Mating Part	No
Polarized to PCB	No
Stackable	No
Surface Mount Compatible (SMC)	N/A
Temperature Range - Operating	-25°C to +70°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	1A
Voltage - Maximum	125V

Material Info

Reference - Drawing Numbers

Product Specification	PS-87791-014, RPS-87791-005
Sales Drawing	SD-87791-013

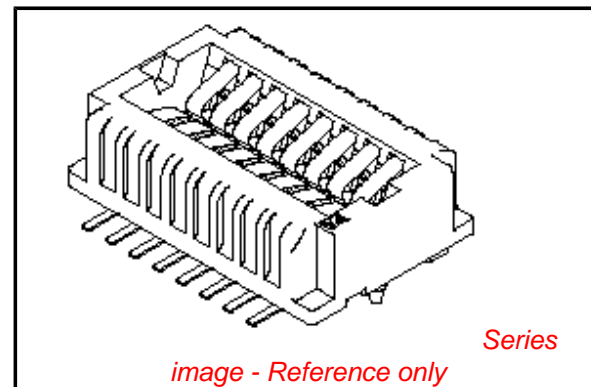


image - Reference only

EU RoHS

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

China RoHS



Not Halogen-Free
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

[87791Series](#)

Mates With

[87792-1116](#)

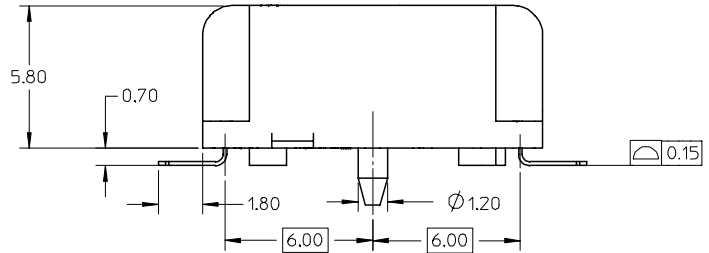
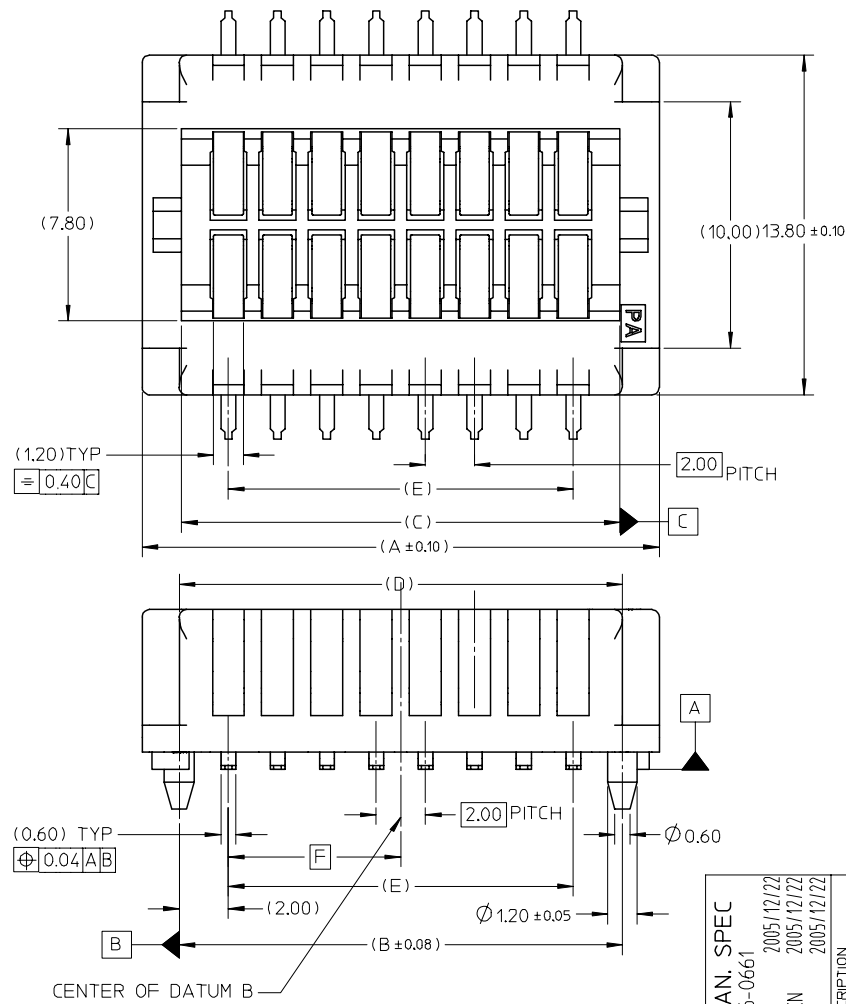
ASSEMBLY P/N	CKT SIZE	DIMENSIONS					
		A	B	C	D	E	F
87791-0014	14	19.00	16.00	15.80	16.00	12.00	6.00
87791-0016	16	21.00	18.00	17.80	18.00	14.00	7.00
87791-0114	14	19.00	16.00	15.80	16.00	12.00	6.00
87791-0116	16	21.00	18.00	17.80	18.00	14.00	7.00
87791-0120	20	25.00	22.00	21.80	22.00	18.00	9.00

SOLDERTAIL PLATING OPTION

GOLD PLATING ON CONTACT AREA AND TIN-LEAD PLATING OVER NICKEL UNDERPLATE ON SOLDER TAIL AREA.

GOLD PLATING ON CONTACT AREA AND TIN PLATING OVER NICKEL UNDERPLATE ON SOLDER TAIL AREA.

- NOTES:
- MATERIAL :
HOUSING : PA46, UL94V-0 (BLACK)
TERMINALS : PHOSPHOR BRONZE
 - PLATINGS:
SEE TABLE.
 - FOR ILLUSTRATION PURPOSE, 16 CKTS SIZE IS SHOWN.
 - PARTS TO BE PACKED IN TRAY.
 - REFER TO PRODUCT SPEC, PS-87791-014 FOR PERFORMANCE SPECIFICATIONS.



REV. COPLAN. SPEC
EC NO: S2006-0661
DRWN:CGOH
CHKD:NAGESHKN
APPR:PTL IM

QUALITY SYMBOLS
▽=0
∇=0

GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	
		MM ONLY	
	mm	mm	INCH
4 PLACES	± ---	± ---	± ---
3 PLACES	± ---	± ---	± ---
2 PLACES	± 0.25	± ---	± ---
1 PLACE	± ---	± ---	± ---
ANGULAR		± 3 °	

DRAWN BY		DATE	
CGOH		2004/08/05	
CHECKED BY		DATE	
PTL IM		2004/10/01	
APPROVED BY		DATE	
SCLOW		2004/11/01	
MATERIAL NO.		DOCUMENT NO.	
SEE TABLE		SD-87791-013	

SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

TITLE: 2.0 B/B CONNECTOR, SMT (PANEL DETACHABLE TYPE)

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SHEET NO. 1 OF 2

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

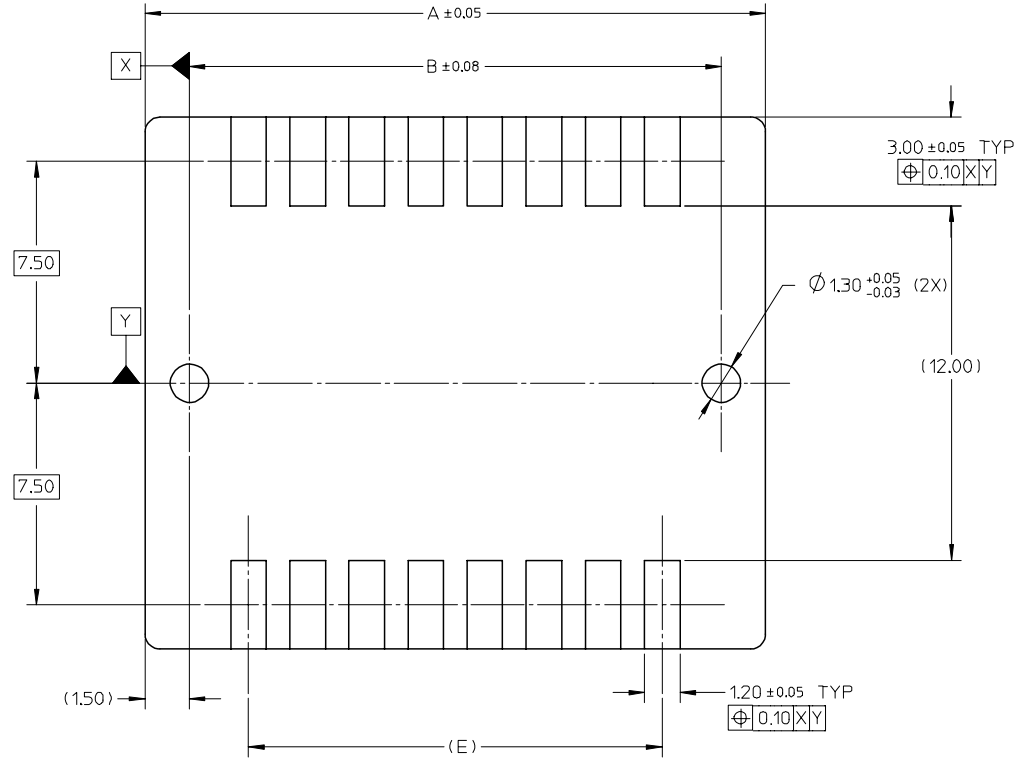
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10 9 8 7 6 5 4 3 2 1

F

F

RECOMMENDED PCB LAYOUT



E

E

D

D

C

C

B

B

A

A

REV. COPLAN. SPEC EC NO: S2006-0661 DRWN:CGH CHKD:NGESHKN APPR:PTL IM 2005/12/22 2005/12/22 2005/12/22	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
	$\nabla=0$ $\triangle=0$	4 PLACES	± ---	± ---	DRAWN BY CGOH	DATE 2004/08/05	TITLE 2.0 B/B CONNECTOR, SMT (PANEL DETACHABLE TYPE)		
		3 PLACES	± ---	± ---	CHECKED BY PTL IM	DATE 2004/10/01	APPROVED BY DATE 2004/11/01		
		2 PLACES	± 0.25	± ---	MATERIAL NO. SCLOW		DOCUMENT NO. SD-87791-013		SHEET NO. 2 OF 2
B2	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		MOLEX INCORPORATED			

9 8 7 6 5 4 3 2 1