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Part Number: [0876021191](#)
Status: **Active**
Description: 2.50mm(.098") Pitch Panel Detachable Connector, PCB Header, Vertical, 12 Circuits, 0.5µm (20µ") Gold (Au) Selective Plating, with Locating Pegs, Tube Packaging, Lead-free

Documents:
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-87601-001 \(PDF\)](#)

General
Product Family PCB Headers
Series [87602](#)
Application Board-to-Board
Comments Panel Detachable
Product Name N/A

Physical
Breakaway No
Circuits (Loaded) 12
Circuits (maximum) 12
Durability (mating cycles max) 10,000
First Mate / Last Break No
Glow-Wire Compliant No
Guide to Mating Part No
Keying to Mating Part None
Lock to Mating Part None
Mated Height (in) 0.594 In
Mated Height (mm) 15.09 mm
Material - Plating Mating Gold
Material - Plating Termination Tin
Number of Rows 1
Orientation Vertical
PCB Retention None
PCB Thickness Recommended (in) 0.062 In
PCB Thickness Recommended (mm) 1.60 mm
Packaging Type Tube
Pitch - Mating Interface (in) 0.098 In
Pitch - Mating Interface (mm) 2.50 mm
Polarized to Mating Part Yes
Polarized to PCB Yes
Shrouded No
Stackable No
Temperature Range - Operating -40°C to +85°C
Termination Interface: Style Surface Mount

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

Material Info

Reference - Drawing Numbers
Product Specification PS-87601-001
Sales Drawing SD-87602-011

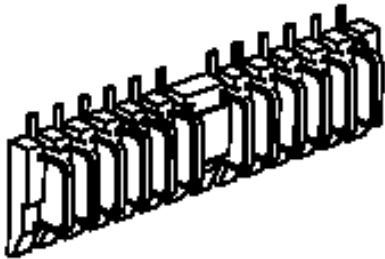


image - Reference only **Series**

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free
Status
Not Reviewed

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
[87602Series](#)

Mates With
[87601](#) PCB Receptacle

This document was generated on 04/19/2010

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A



1. MATERIALS : HOUSING - NYLON, GLASS-FILLED, UL 94V-0 OR EQUIVALENT, COLOUR : BLACK
TERMINAL - COPPER ALLOY
COVER - NYLON, GLASS-FILLED, UL 94V-0, COLOUR : NATURAL

2. FINISHES : SELECTIVE GOLD (Au) IN THE CONTACT AREA:
THICKNESS=0.5 MICROMETER MINIMUM;
SELECTIVE TIN (Sn) ALLOY IN THE
PC TAIL AREA:
THICKNESS= 5.0 MICROMETER MINIMUM;
NICKEL (Ni) OVERALL

4.COPLANARITY OF THE SOLDER TAILS TO BE CONTROLLED AT 0.15 MAX WITH REFERENCE TO DATUM A.

COPLANARITY OF SOLDER TAILS IS MEASURED BY RESTING THE PART ON A FLAT GAUGE SURFACE.

5. MARKING FOR LUBRICATED PARTS.

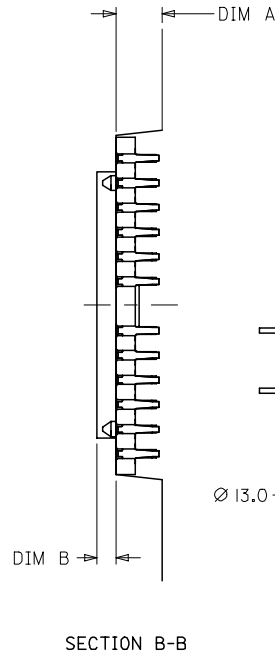
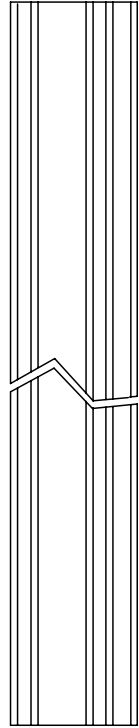
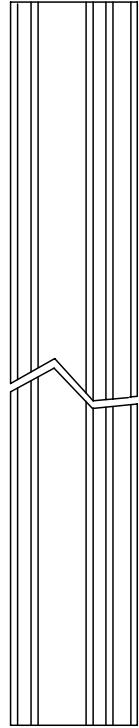
6.3 LAYERS OF LUBRICANT TO BE APPLIED.

7. RETENTION FORCE BETWEEN COVER AND CONNECTOR TO BE 350 gF MIN.

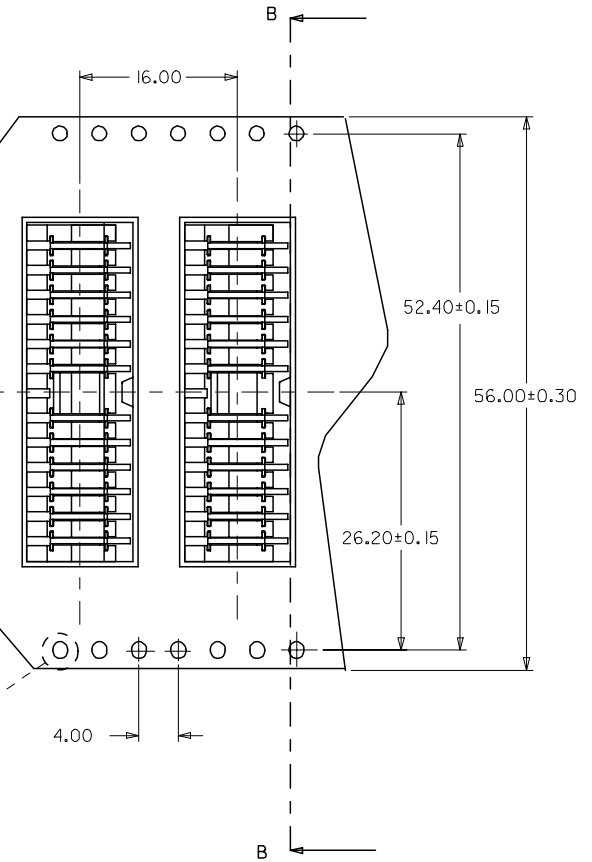
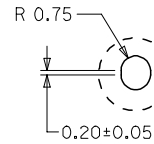
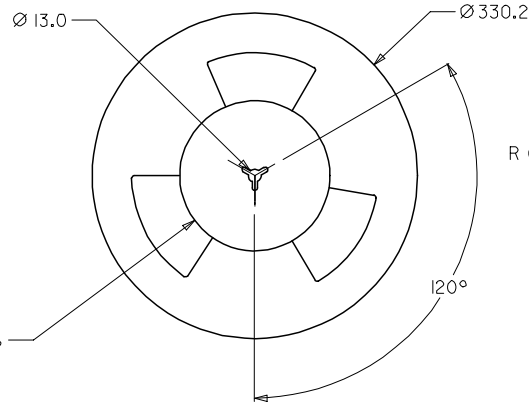
8. CONTACT FACTORY ON DETAILS OF THIS PART NO.

C

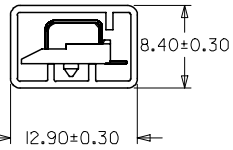
LEAD-FREE



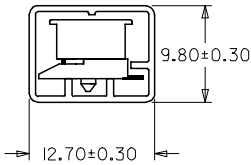
USER DIRECTION OF FEED



DOUBLE SPROCKET HOLE T/REEL (PER EIA STANDARD)
ONLY PART NO : 87602-1101 SHOWN



PART NO : 87602-1191

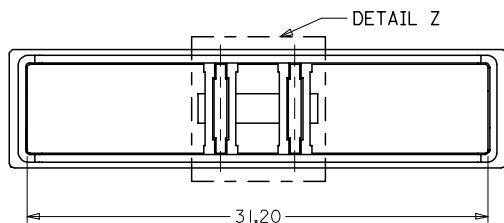
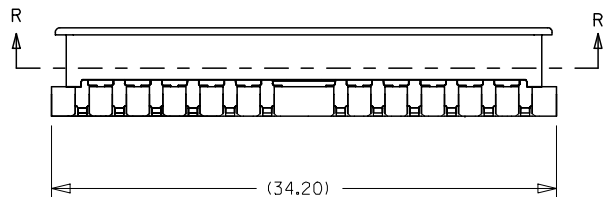
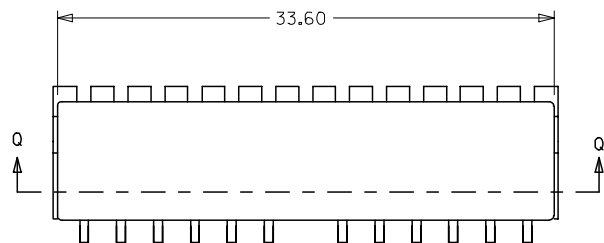


PART NO : 87602-1291

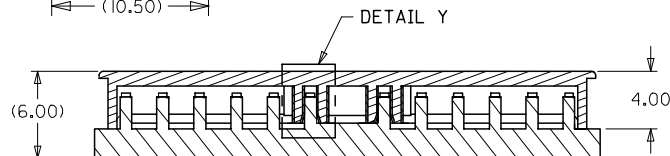
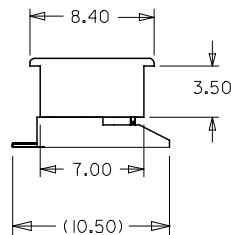
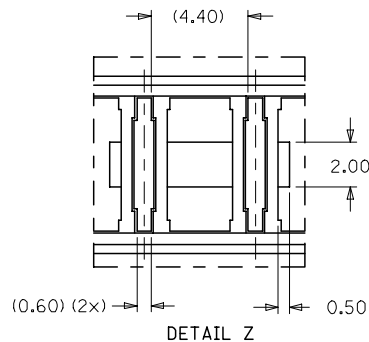
EWR #973 EC NO: S2006-0871 DRWN:CGH CHKD:BLW APPR:PTLIM 2006/02/24 2006/02/24 2006/02/24	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
				mm	INCH	DRAWN BY ATSEE	DATE 2004/06/07	TITLE 2.50MM PITCH, 12 CKTS DETACHABLE CONN.(HDR)			
			4 PLACES	± ---	± ---	CHECKED BY	DATE				
			3 PLACES	± ---	± ---	SHONG	2004/06/15				
			2 PLACES	± 0.2	± ---	APPROVED BY	DATE	MOLEX MOLEX INCORPORATED			
			1 PLACE	± ---	± ---	KCLING	2004/06/15				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO.		DOCUMENT NO.		SHEET NO.				
			SEE TABLE		SD-87602-011		2 OF 3				
A1			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

LEAD-FREE

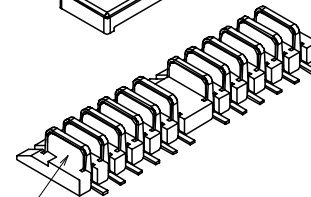
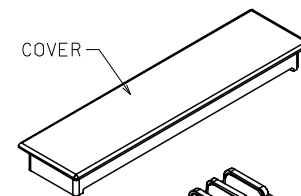
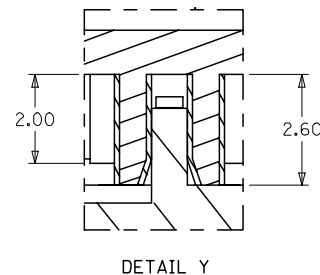
LUBRICATION AT CONTACT	PLASTIC PEG	MOLEX P/N WITHOUT CAP IN EMBOSSED TAPE PACKAGING			MOLEX P/N WITH CAP IN EMBOSSED TAPE PACKAGING			MOLEX P/N WITHOUT CAP IN TUBE PACKAGING	MOLEX P/N WITH CAP IN TUBE PACKAGING
			DIM A	DIM B		DIM A	DIM B		
NO	NO	87602-1001	4.70	1.90	SEE NOTE 8	N/A	N/A	87602-1091	SEE NOTE 8
YES	NO	87602-1002	4.70	1.90	SEE NOTE 8	N/A	N/A	87602-1092	SEE NOTE 8
NO	YES	87602-1101	4.70	1.90	87602-1201	6.80	1.60	87602-1191	87602-1291
YES	YES	87602-1102	4.70	1.90	87602-1202	6.80	1.60	87602-1192	87602-1292



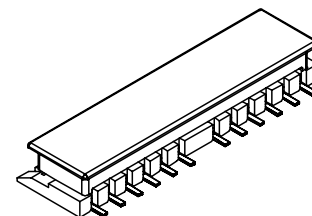
SECTION R-R
(COVER ONLY)



SECTION Q-Q



P/N: 87602-1001
12 CKTS DETACHABLE CONNECTOR (HEADER)



EWR #973 EC NO: S2006-0871 DRWN:CGH CHKD:BLW APPR:PTLIM A1	2006/02/24 2006/02/24 2006/02/24	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
					mm	INCH	DRAWN BY ATSEE	DATE 2004/06/08	TITLE 2.50MM PITCH, 12 CKTS DETACHABLE CONN. (HDR)			
				4 PLACES	± ---	± ---	CHECKED BY	DATE				
				3 PLACES	± ---	± ---	SHONG	2004/06/15				
				2 PLACES	± 0.20	± ---	APPROVED BY	DATE	MOLEX MOLEX INCORPORATED			
				1 PLACE	± ---	± ---	KCLING	2004/06/15				
				ANGULAR ± 5 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-87602-011		3 OF 3						
REV		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										