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Part Number: [0875520687](#)
Status: **Active**
Description: 1.27mm (.050") Pitch EBBI™ 50D Receptacle, Through Hole, Right Angle, with Beveled Metal Pins, 0.76µm (30µ") Gold (Au) Selective Plating, 68 Circuits, Leadfree

Documents:
[3D Model](#) [Product Specification PS-87552-006 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family PCB Receptacles
Series [87552](#)
Application Board-to-Board
Product Name EBBI™

Physical

Circuits (Loaded) 68
Color - Resin Black
Durability (mating cycles max) 500
Glow-Wire Compliant No
Lock to Mating Part None
Material - Metal Phosphor Bronze
Material - Plating Mating Gold
Material - Plating Termination Tin
Material - Resin High Temperature Thermoplastic
Number of Rows 4
Orientation Right Angle
PC Tail Length (in) 0.110 In
PC Tail Length (mm) 2.80 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
Plating min: Mating (µin) 30.4
Plating min: Mating (µm) 0.76
Plating min: Termination (µin) 101.6
Plating min: Termination (µm) 2.54
Polarized to PCB Yes
Surface Mount Compatible (SMC) Yes
Temperature Range - Operating -55°C to +105°C
Termination Interface: Style Through Hole

Electrical

Current - Maximum per Contact 1A
Voltage - Maximum 30V

Solder Process Data

Duration at Max. Process Temperature (seconds) 5
Lead-free Process Capability SMC & Wave Capable (TH only)
Max. Cycles at Max. Process Temperature 1
Process Temperature max. C 270

Material Info

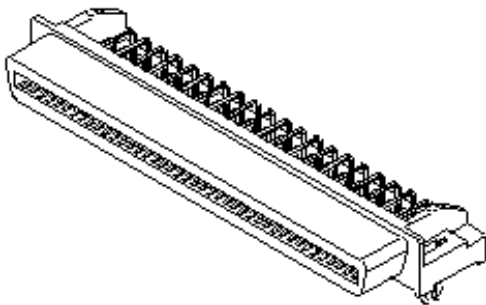


image - Reference only Series

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

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
[87552Series](#)

Mates With
[71661](#)

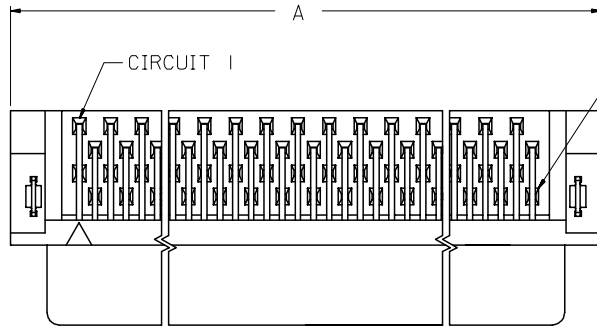
Reference - Drawing Numbers

Product Specification
Sales Drawing

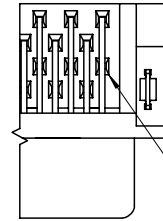
PS-87552-006
SD-87552-007

This document was generated on 03/18/2010

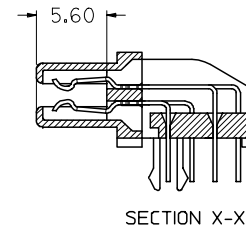
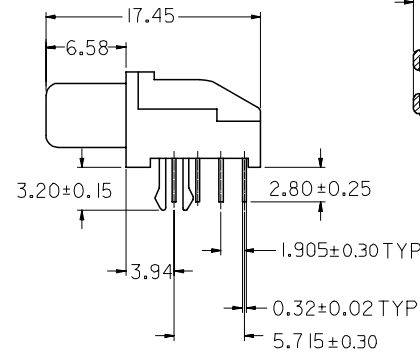
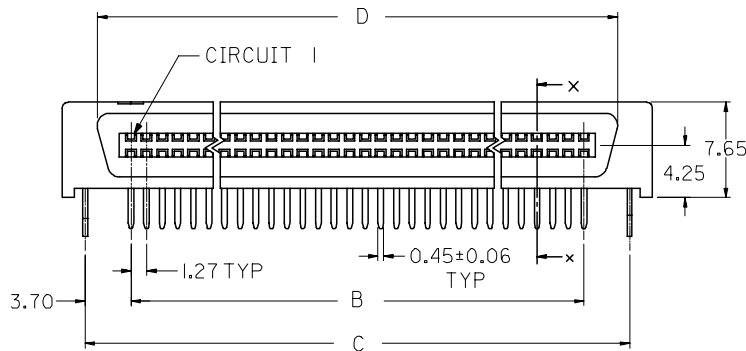
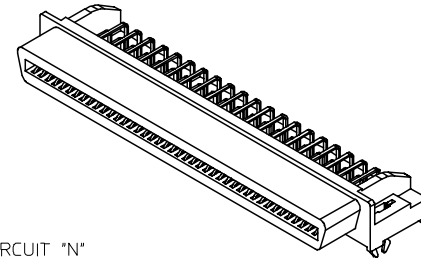
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FOR CIRCUIT SIZES 68 AND 80 ONLY



FOR CIRCUIT SIZE 50 ONLY



NOTES:

1. MATERIAL: HOUSING -- HIGH TEMP. THERMOPLASTIC, UL94-V0
TERMINALS -- COPPER ALLOY
2. PLATING:
 2A 0.75µM MIN. GOLD IN SELECTIVE CONTACT AREA AND
 2.5µM MIN. TIN IN SOLDER TAIL AREA, BOTH
 OVER 1.27µM MIN. NICKEL.
3. ASSEMBLY MATES WITH MOLEX P/N 71661-****.
4. RECOMMENDED P.C. BOARD THICKNESS IS 1.60MM.
5. PRODUCT SPEC. NO.: PS-87552-006
6. SEE TABLE ON SHEET 2 FOR ASSEMBLY PART NUMBERS.

REVISED	EC NO: S2008-0347	2007/11/12	2007/11/12	2007/11/14
DRWN:SKANG	CHKD:ATSEE			
APPR:MLONG				
H3				

QUALITY SYMBOLS
▽=0
▽C=0

GENERAL TOLERANCES (UNLESS SPECIFIED)	
4 PLACES	± ---
3 PLACES	± ---
2 PLACES	± 0.3
1 PLACE	± ---
ANGULAR ± 3 °	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
DS0H	1997/04/01
CHECKED BY	DATE
KCL ING	1997/05/06
APPROVED BY	DATE
SKT0H	1997/05/08
MATERIAL NO.	
SEE TABLE	
SIZE	
A3	

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
NTS	METRIC		
TITLE			
EBBI, 1.27MM PITCH RECEPTACLE, R/A			
MOLEX INCORPORATED			
DOCUMENT NO. SD-87552-007			SHEET NO. 1 OF 2
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