

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0738260001](#)
Status: **Active**
Description: 1.27mm (.050") Pitch EBBI™ 50D Receptacle, Press-fit, Vertical, SCA-2, 80 Circuits

Documents:

[3D Model](#) [Product Specification PS-73826-0000 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
UL E29179

General

Product Family PCB Receptacles
Series [73826](#)
Application Board-to-Board
Application Tooling Part Link 621002601
Application Tooling Part Link 621002602
Product Name EBBI™

Physical

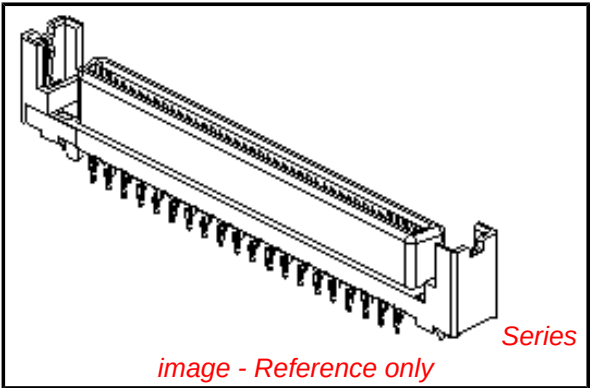
Circuits (Loaded) 80
Color - Resin Black
Durability (mating cycles max) 500
Flammability 94V-0
Glow-Wire Compliant No
Guide to Mating Part Yes
Material - Metal High Performance Alloy (HPA), Phosphor Bronze
Material - Plating Mating Gold
Material - Plating Termination Tin-Lead
Material - Resin High Temperature Thermoplastic
Number of Rows 2
Orientation Vertical
PC Tail Length (in) 0.117 In
PC Tail Length (mm) 2.97 mm
PCB Locator Yes
PCB Retention Yes
PCB Thickness Recommended (in) 0.093 In
PCB Thickness Recommended (mm) 2.40 mm
Packaging Type Tray
Pitch - Mating Interface (in) 0.050 In
Pitch - Mating Interface (mm) 1.27 mm
Plating min: Mating (µin) 30
Plating min: Mating (µm) 0.75
Plating min: Termination (µin) 75
Plating min: Termination (µm) 1.875
Polarized to PCB Yes
Temperature Range - Operating -40°C to +105°C
Termination Interface: Style Through Hole - Compliant Pin

Electrical

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

Material Info

Reference - Drawing Numbers



EU RoHS

RoHS Compliant by Exemption

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

[73826Series](#)

Mates With

87572 , 87571 , 87012

Application Tooling | FAQ

Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

Global

Description	Product #
SCA-2 Upper Alignment Tool for 1.27mm (.050") Pitch SCA-2 Receptacle, Press-Fit Assembly, 73826 Series (80 Circuits)	0621002602
SCA-2 Lower Alignment Tool for 1.27mm (.050") Pitch	0621002601

This document was generated on 03/18/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

NOTES:

1. MATERIAL:

HOUSING: I.R. COMPATIBLE POLYMER, GLASS FILLED, UL 94 V 0, BLACK
 TERMINALS: COPPER ALLOY
 BOARDLOCK: COPPER ALLOY

2. FINISH:

TERMINALS: SELECTIVE GOLD IN CONTACT AREA
 THICKNESS = 30 MICROINCHES / 0.763 MICROMETERS
 SELECTIVE TIN-LEAD IN TAIL AREA
 THICKNESS = 100 MICROINCHES / 2.54 MICROMETERS
 NICKEL UNDERPLATE OVERALL.

ESD BOARDLOCK:

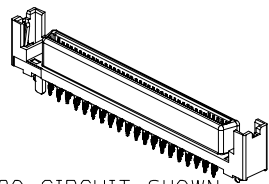
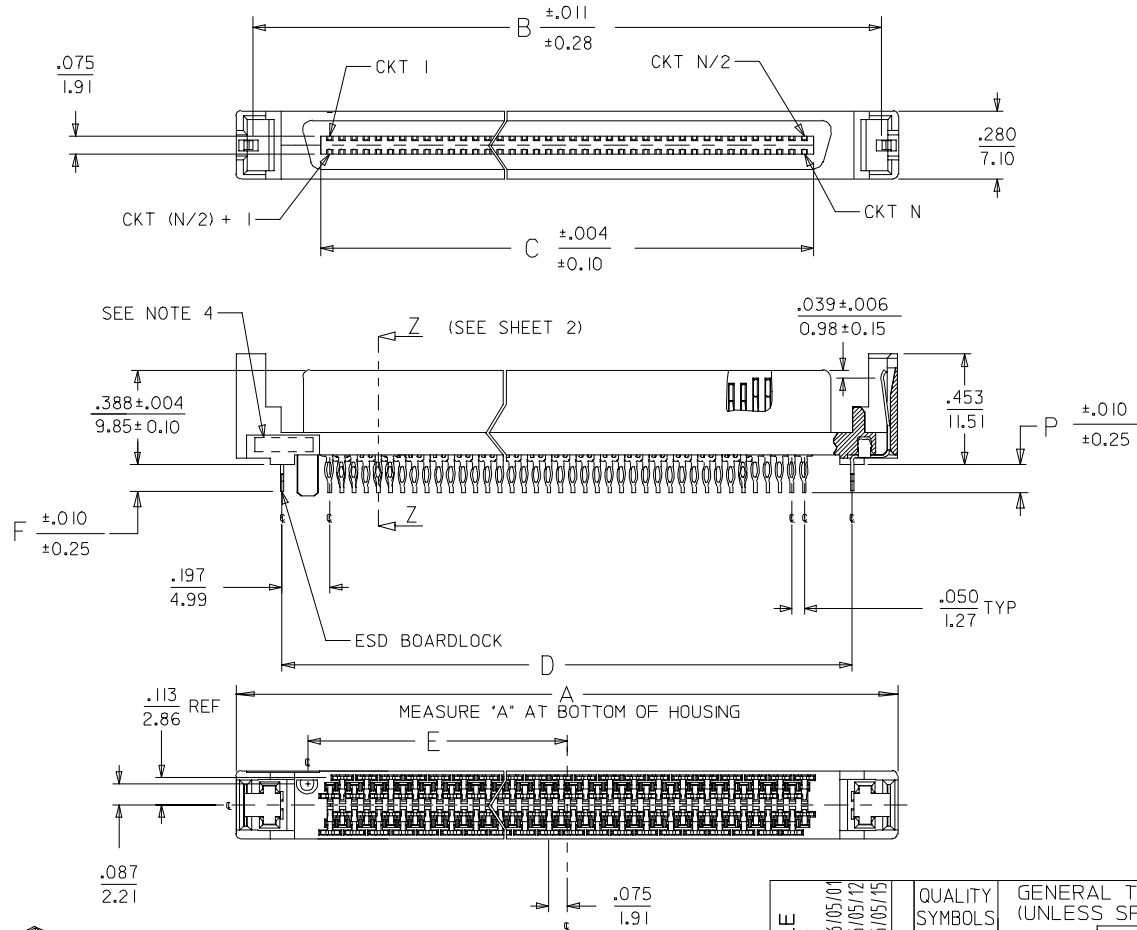
TIN OVERALL.

3. PRODUCT SPECIFICATION: PS-73826-0000

4. FOUR DIGIT DATE CODE IN THIS LOCATION (WK YR).

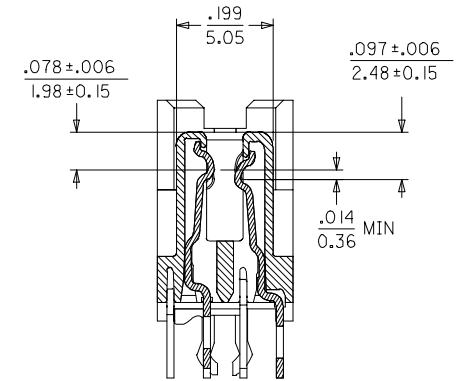
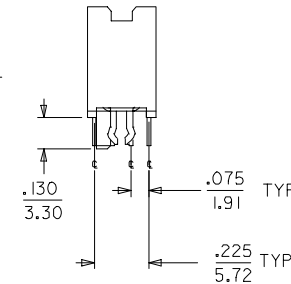
5. CONTACT GAP WILL ACCOMMODATE MATING CONNECTOR OF:
 $.063 \pm .003$ (1.60 $\pm$ 0.08)

6. PART MATES WITH ALL PLUGS MFG. IN ACCORDANCE WITH EIA-700A0AE.



80 CIRCUIT SHOWN
 SCALE - 1:1

1b_frame_B.P_ME.T
 Rev. D 2004/04/02



SECTION Z-Z
 SCALE - 4:1

2	K
1	K
SHEET	REVISION

CLARIFY PCB HOLE EC NO: UCP2006-2509 DRWN: BARKER 2006/05/01 CHKD: BSMART 2006/05/12 APPR: SMILLER 2006/05/15	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 2:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION			
			mm	INCH	DRAWN BY	DATE	TITLE SALES ASSEMBLY MOLEX SCA-2 PRESS-FIT RECEPTACLE MOLEX INCORPORATED					
			4 PLACES	± ---	± ---	ACHAMMER						12/09/1997
			3 PLACES	± ---	± .005	CHECKED BY						DATE
			2 PLACES	± 0.13	± .010	ACHAMMER						02/10/1998
			1 PLACE	± 0.25	± ---	APPROVED BY	DATE	MOLEX MOLEX INCORPORATED				
			ANGULAR ±1/2°		BANAK IS	02/12/1998						
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
					SEE TABLE		SD-73826-001		1 OF 2			
					THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

