

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0740650005](#)
Status: **Active**
Description: 1.27mm (.050") Pitch GBIC Receptacle; EBBI™ 50D Receptacle, Right Angle SCA-2, 20 Circuits

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

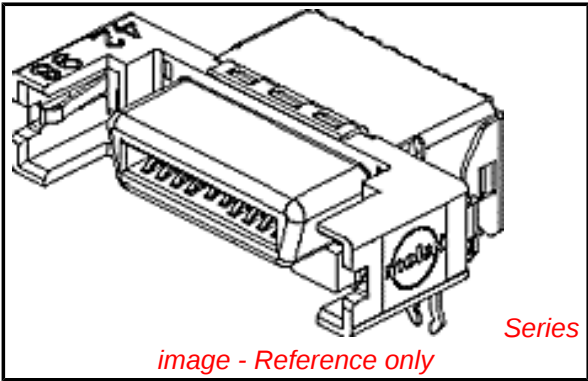
Agency Certification
UL E29179

General
Product Family I/O Connectors
Series [74065](#)
Application Board-to-Board
Component Type Receptacle
Product Name GBIC
Type N/A

Physical
Circuits (Loaded) 20
Color - Resin Black
Durability (mating cycles max) 500
Flammability 94V-0
Gender Receptacle
Lock to Mating Part Yes
Material - Metal Phosphor Bronze
Material - Plating Mating Gold
Material - Plating Termination Tin
Material - Resin High Temperature Thermoplastic
Number of Rows 2
Orientation Right Angle
PCB Retention Yes
PCB Thickness Recommended (in) 0.080 In
PCB Thickness Recommended (mm) 2.00 mm
Packaging Type Tray
Panel Mount Yes
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 Mating Part Yes
Surface Mount Compatible (SMC) Yes
Temperature Range - Operating -40°C to +105°C
Termination Interface: Style Through Hole
Waterproof / Dustproof No

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

Solder Process Data
Duration at Max. Process Temperature (seconds) 5
Lead-free Process Capability Wave Capable (TH only)



EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
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
[74065Series](#)

Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

Product Specification	PS-73826-0000, RPS-73826-001
Sales Drawing	SD-74065-001

This document was generated on 04/08/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

NOTES:

1) MATERIALS:

HOUSING AND TAIL ALIGNER: HIGH TEMPERATURE
NYLON, GLASS FILLED, UL 94V-0, BLACK.

TERMINALS - COPPER ALLOY.

ESD CLIP & SHIELD - COPPER ALLOY.

2) FINISHES:

TERMINAL: GOLD (Au) IN THE CONTACT AREA,
THICKNESS=0.76 MICROMETER (30 MICROINCH) MINIMUM,
TIN (Sn) IN THE PC TAIL AREA,
THICKNESS=1.90 MICROMETER (75 MICROINCH) MINIMUM,
NICKEL (Ni) UNDERPLATE OVERALL.

SHIELD: TIN (Sn), THICKNESS=3.81 MICROMETER (150 MICROINCH) MINIMUM,
NICKEL (Ni) UNDERPLATE OVERALL.

△ CIRCUIT NUMBERS 11 THRU 14 AND 17 THRU 20 ARE
ADVANCED (LONG) TERMINAL FOR FIRST MATE/LAST
BREAK OF SEQUENTIAL MATING.

4) CONNECTOR WILL ACCEPT MATING TO A PC BOARD CARD
EDGE WITH A THICKNESS OF .062 +.005 - .007".

△ THE TWO .060/1.52 HOLES NECESSARY ONLY FOR
MOLEX PART NUMBERS 74065-0001, -0002,
-0005, & -0016

6) THE PRIMARY SHIPPING CARTON WILL BE LABELED
"COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND
ELV ANNEX II OF DIRECTIVE 2000/53/EC".
CARTONS WITHOUT THIS LABEL MAY CONTAIN
PRODUCT WITH LEAD.

7) CONFORMS TO MOLEX PRODUCT SPECIFICATION
PS-73826-0000.

△ A 4 DIGIT DATE CODE (WK YR-EXAMPLE 42 98)
TO BE LOCATED IN AREA SHOWN.

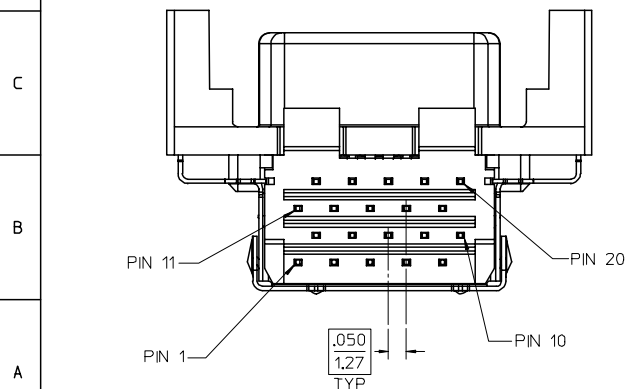
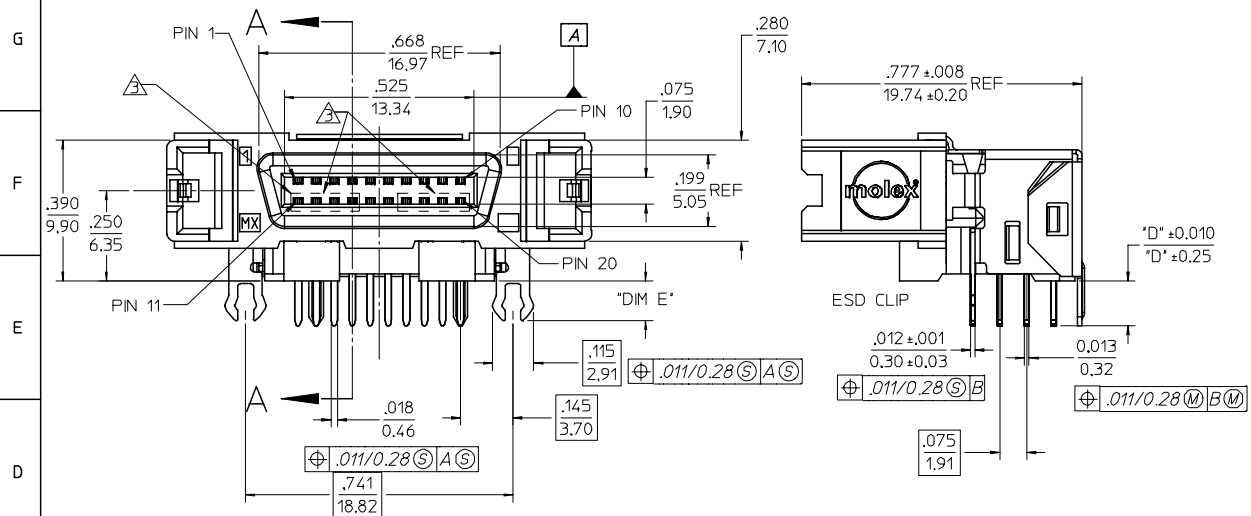
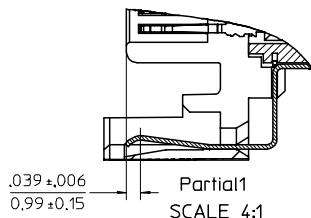
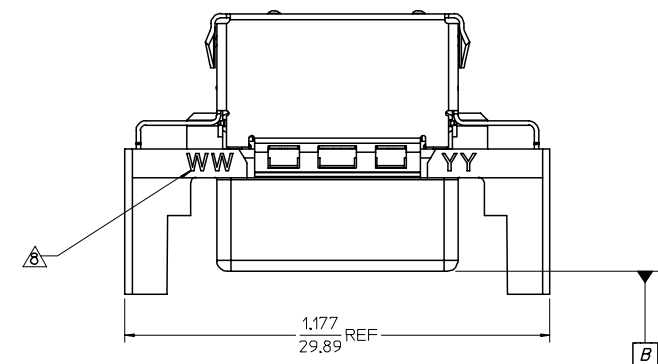
9) PRODUCT CONFORMS TO SPECIFICATIONS PER
SMALL FORM FACTOR DOCUMENT FOR GIGABIT
INTERFACE CONVERTER (GBIC).

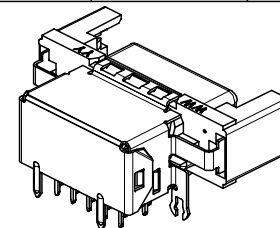
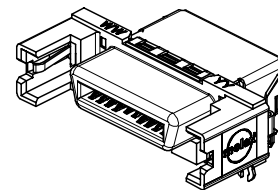
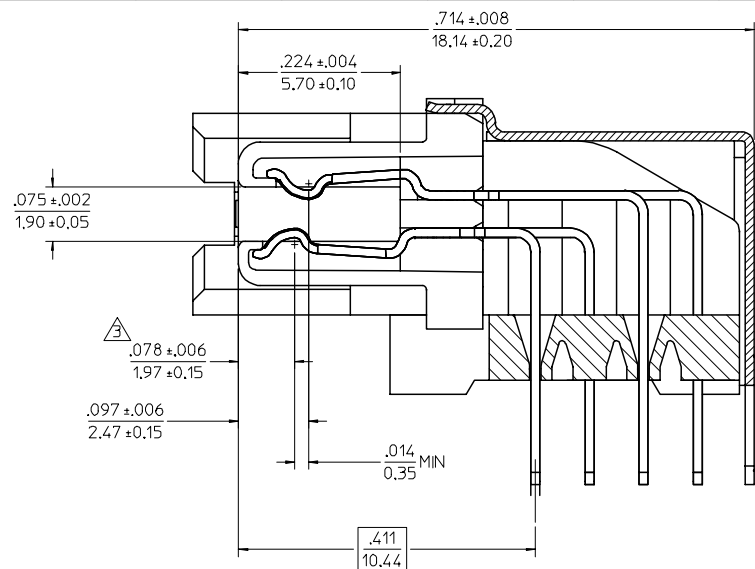
PART NUMBER	DIM "D"	DIM "E"	SHIELDING OPTION	BOARD THICKNESS
74065-0001	.125	.110	SHIELDING PEG	.062 - .079
74065-0002	.150	.140	SHIELDING PEG	.080 - .110
74065-0003	.125	.110	NO PEG	.062 - .079
74065-0004	.150	.140	NO PEG	.080 - .110
74065-0005	.100	.110	SHIELDING PEG	.062 - .079
74065-0006	.100	.110	NO PEG	.062 - .079
74065-0013	.125	.110	NO PEG	.062 - .079
74065-0015	.125	.110	NO PEG	.062 - .079

NOTE FOR LEAD FREE CONVERSION:

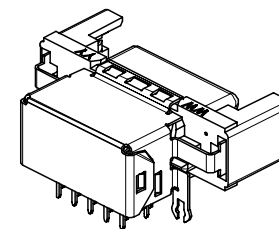
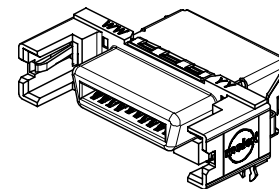
THE PRIMARY SHIPPING CARTON WILL BE LABELED
"COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND
ELV ANNEX II OF DIRECTIVE 2000/53/EC".
CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH LEAD.

REVISED PER EC NO: JCP2004-1951 DRWN: BBARKER004/04/30 CHK: SMILLER004/04/30 APPR: BVEAZIE004/05/05	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		REVISE ON CAD ONLY			
		 -0	mm	INCH	DIMENSION STYLE MM/IN		SALES ASMY FOR 20 CKT SCA-2 R/A SHIELDED GBIC RECEPTACLE					
			4 PLACES	± ---	± ---	DRAWN BY						DATE
			3 PLACES	± ---	± 0.005	HPA						12/17/98
			2 PLACES	± 0.13	± 0.01	CHECKED BY						DATE
			1 PLACE	± 0.25	± ---	MB						12/18/98
		 -0	ANGULAR ± 1/2 °		APPROVED BY	DATE	MATERIAL NO.	DOCUMENT NO.	SHEET N			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MB	12/18/98	SEE CHART	SD-74065-001	1 OF 2				
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

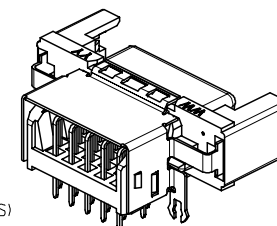
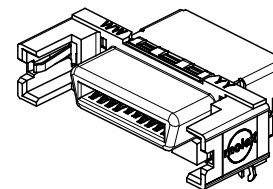




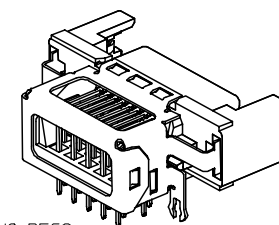
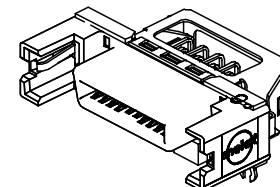
STANDARD SHIELD WITH PEGS
74065-0001, -0002, -0005, -0016



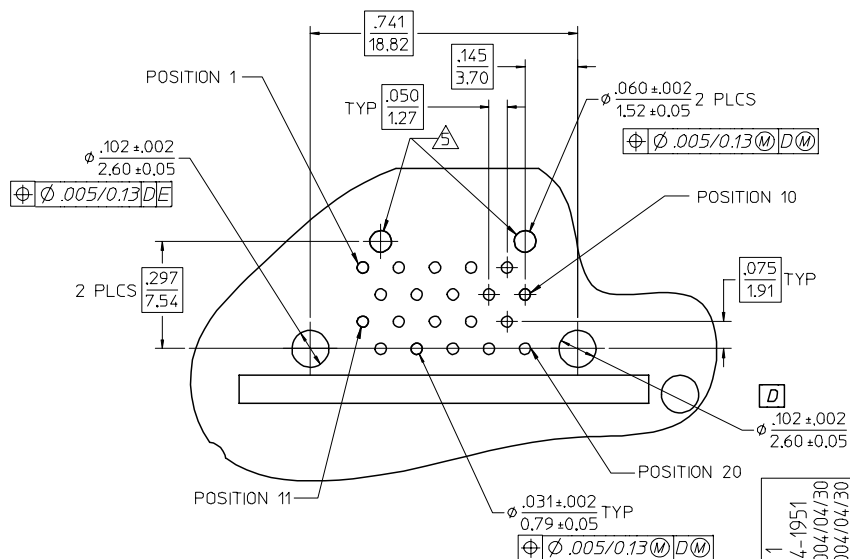
STANDARD SHIELD WITHOUT PEGS
74065-0003, -0004, -0006



OPEN BACK SHIELD (NO PEGS)
74065-0015



OPEN TOP SHIELD, NO PEGS
74065-0013



SEE SHIT 1 EC NO: UCP2004-1951 DRWN: BBARKER004/04/30 CHK: SMILLER2004/04/30 APPR: BVEAZIE2004/05/05	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 8:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		REVISE ON CAD ONLY		
		 -0.0		mm	INCH	DIMENSION STYLE MM/IN		SALES ASMY FOR 20 CKT SCA-2 R/A SHIELDED GBIC RECEPTACLE			
			4 PLACES	± ---	± ---	DRAWN BY DATE					
			3 PLACES	± ---	± 0.005	HPA	12/17/98				
			2 PLACES	± 0.13	± 0.01	CHECKED BY DATE					
REV	 -0.0	1 PLACE	± 0.25	± ---	MB	12/18/98	 MOLEX INCORPORATED				
		ANGULAR ± 1/2 °				APPROVED BY DATE	MATERIAL NO.	DOCUMENT NO.	SHEET NO.		
		DRAFT WHERE APPLICABLE				MB	12/18/98	SEE CHART	SD-74065-001	2 OF 2	
		MUST REMAIN WITHIN DIMENSIONS				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
						C					