

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0853490006](#)
Status: **Active**
Description: EMILY™ Signal Board Connector

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	I/O Connectors
Series	85349
Application	Wire-to-Board
Comments	150 parts per reel (primary pack) 5 reels per carton, latching system to front panel on cable connector
Component Type	Receptacle
Product Name	EMILY™
Type	N/A

Physical

Boot Color	N/A
Circuits (Loaded)	12
Circuits (maximum)	12
Circuits Detail	12 signal contacts
Color - Resin	Black
Gender	Male
Lock to Mating Part	None
Material - Metal	Copper-Nickel-Zinc
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Right Angle
PCB Locator	Yes
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Panel Mount	Yes
Pitch - Mating Interface (in)	0.079 In
Pitch - Mating Interface (mm)	2.00 mm
Pitch - Term. Interface (in)	0.079 In
Pitch - Term. Interface (mm)	2.00 mm
Plating min: Mating (µin)	50.8
Plating min: Mating (µm)	1.27
Plating min: Termination (µin)	120
Plating min: Termination (µm)	3
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Ports	1
Surface Mount Compatible (SMC)	Yes
Termination Interface: Style	Surface Mount
Waterproof / Dustproof	No
Wire Size AWG	N/A

Electrical

Current - Maximum per Contact	0.5A
Grounding to Panel	Drop-In
Shielded	No



Series

image - Reference only

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

China RoHS



Not Reviewed

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
[85349Series](#)

Mates With
[85372](#)

Use With
[85372](#)

Solder Process Data

Duration at Max. Process Temperature (seconds)	3
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

Material Info

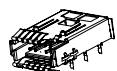
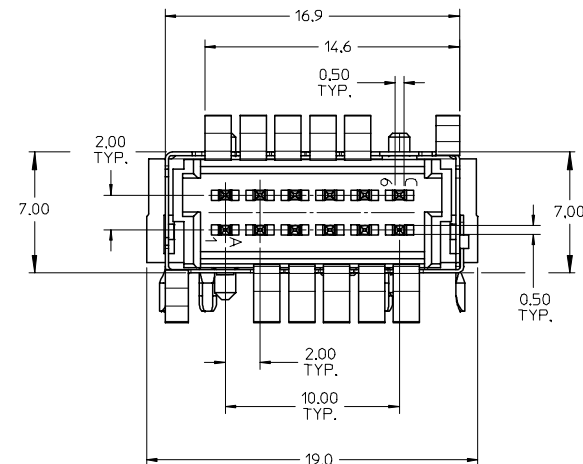
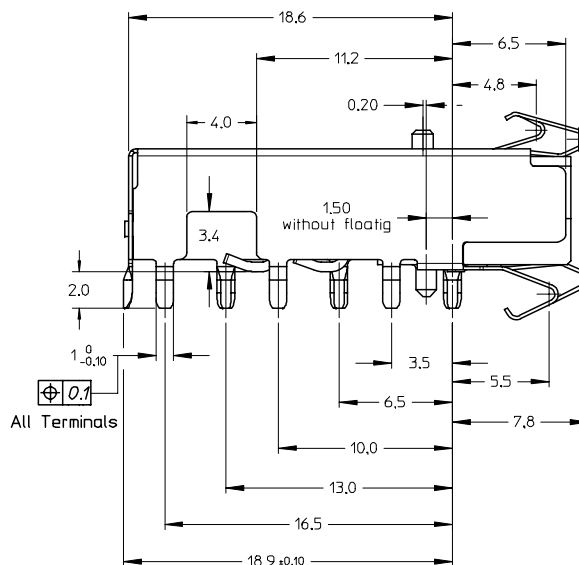
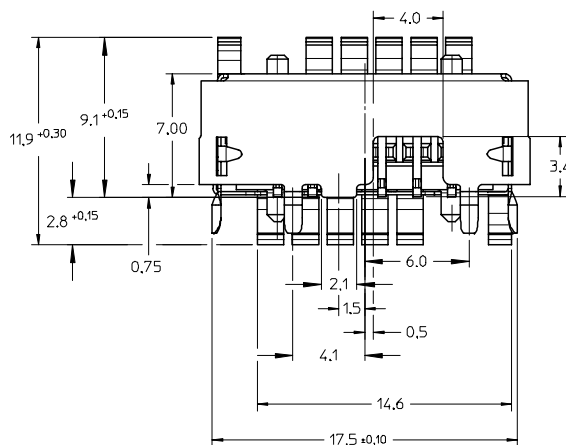
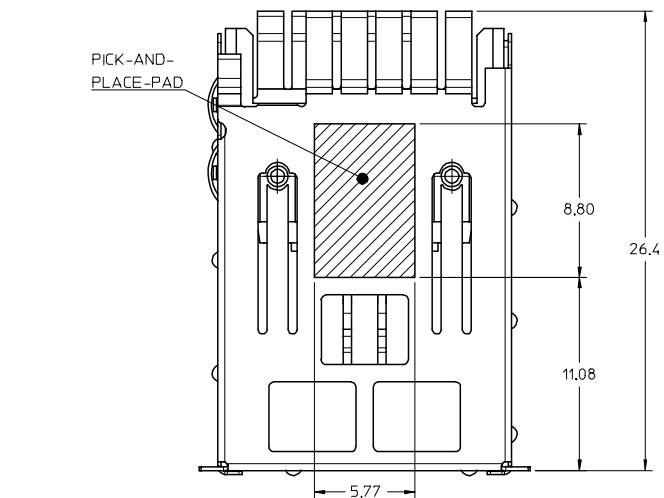
Reference - Drawing Numbers

Packaging Specification	PK-85349-004
Sales Drawing	SD-85349-102

This document was generated on 05/25/2010

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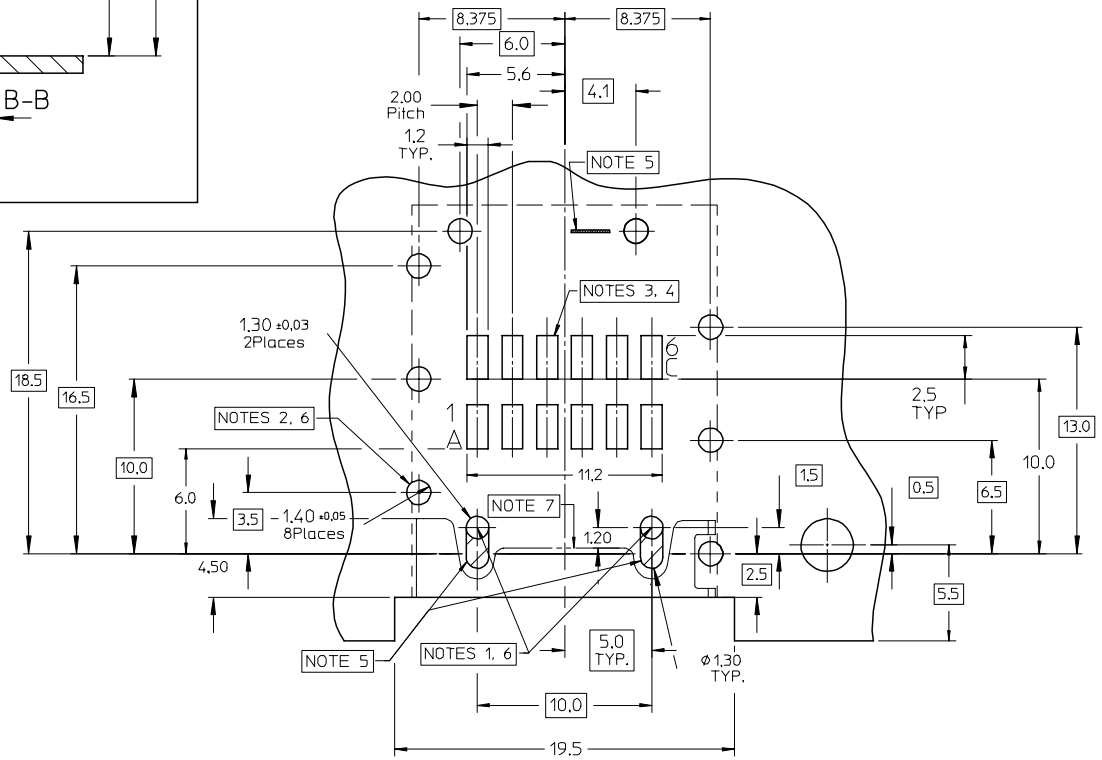
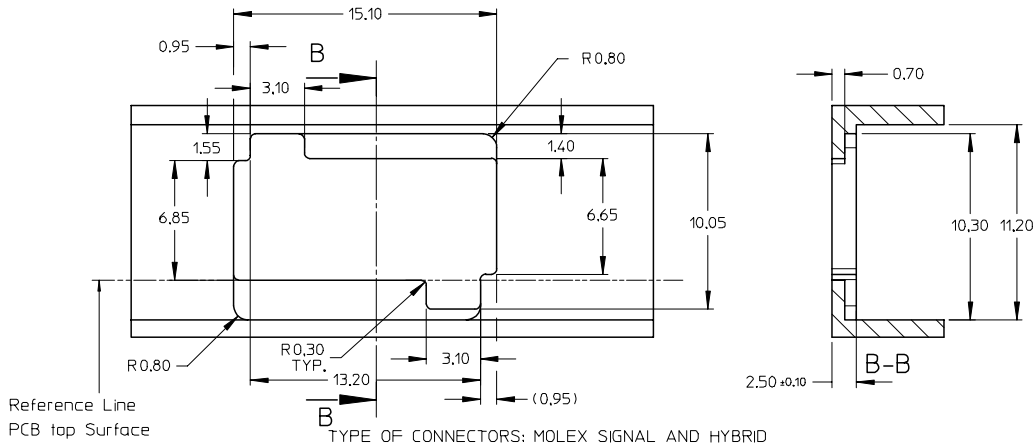
PICK-AND-PLACE-PAD



SCALE 1:1

EC NO: MG2005-0367	DRAWN BY: MARTIN CHKD BY: CARABET APPR: KNOLLER	2005/05/03 2005/05/04 2005/05/13	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
						mm	INCH	DRAWN BY RKUBATIN	DATE 02/06/06	TITLE EMILY SIGNAL PCB PIN CONNECTOR ASSEMBLY + BIHLER SHILD MOLEX INCORPORATED		
					4 PLACES	±---	±---	CHECKED BY FCARABET	DATE 02/06/06			
					3 PLACES	±---	±---	APPROVED BY	DATE			
					2 PLACES	±---	±---	KNOLLER	02/06/06			
1 PLACE		±---	±---	ANGULAR ±---		MATERIAL NO. 85349-0006		DOCUMENT NO. SD-85349-102		SHEET NO. 1 OF 3		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

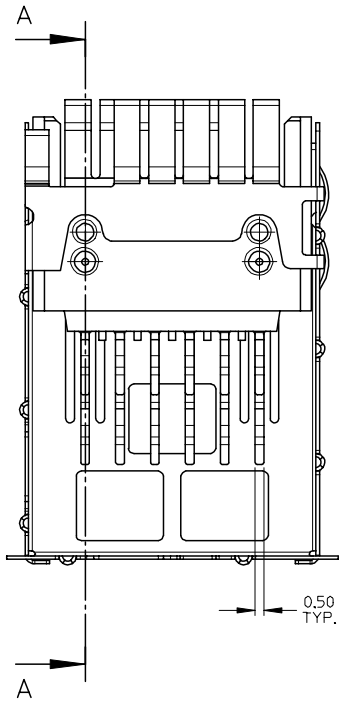
FRONTTYPE



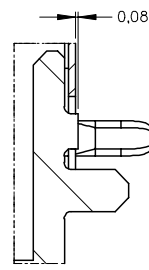
NOTE

- 1- 2x LOCATION HOLES NOT PLATED
- 2- 8x PIN HOLES FOR SHIELD PLATED THROUGH
- 3- 12x PADS FOR SIGNAL CONTACTS
- 4- PAD DIMENSIONS ARE MINIMUM NEEDED
PAD SIZE W/O SOLDER TECHNIQUE INCREASE
- 5- KEEP OFF AREA FOR SOLDER PASTE AND
SOLDERSTOPMARK FOR DISTANCE PINS
AT HOUSING AND SHIELD
- 6- ALL HOLES 
- 7- LOWER BAR AREA (SHIELD)

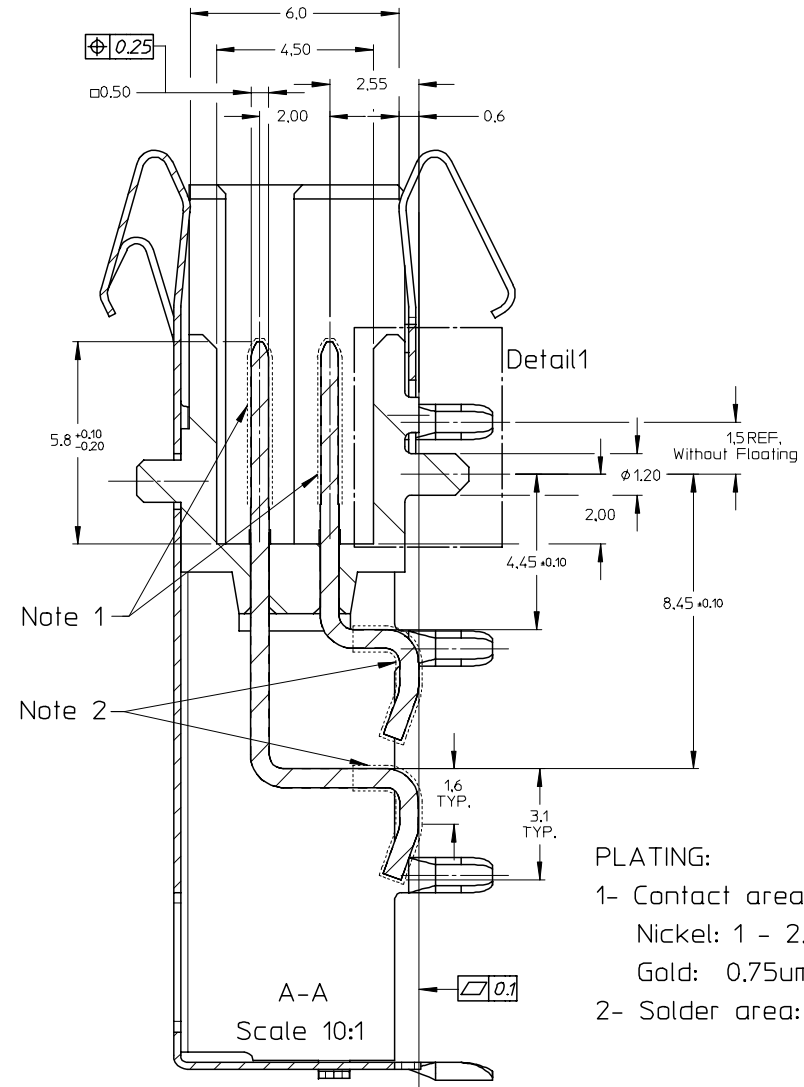
EC NO: MG2005-0367		DRW:ELMARTIN		2005/05/03		2005/05/04		CHKD:FCARBET		2005/05/04		APPR:KNOLLER		2005/05/13		DESCRIPTION		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY			SCALE 1:1		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION																																					
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TYP.



Detail1



Note 1

Note 2

Detail1

PLATING:

- 1- Contact area: Gold over Nickel
Nickel: 1 - 2.5 um
Gold: 0.75um
- 2- Solder area: TIN 3 - 5 um

EC NO: MG2005-0367		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
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				ANGULAR ± --- °		KNOLLER 02/06/06							
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				MUST REMAIN		85349-0006		SD-85349-102				3 OF 3	
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						A2							