

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0879853030](#)
Status: **Active**
Description: 2.00mm (.079") Pitch Milli-Grid™ Cable-to-Board Receptacle, Dual Row, IDT, Center Polarization Key, 30 Circuits, 0.38mm (.015") Gold (Au) Selective Plating, Metal Latch, Lead-free, Tray

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification PS-87985-026 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR 19980
UL E29179

General

Product Family IDT and Solder Connectors
Series [87985](#)
Crimp Quality Equipment Yes
Product Name Milli-Grid™
Use With [87569-1030](#) Strain Relief (Optional)

Physical

Circuits (Loaded) 30
Durability (mating cycles max) 30
Flammability 94V-0
Gender Female
Glow-Wire Compliant No
Lock to Mating Part Yes
Material - Metal Beryllium Copper, Stainless Steel
Number of Rows 2
Packaging Type Tray
Panel Mount No
Pitch - Mating Interface (in) 0.079 In
Pitch - Mating Interface (mm) 2.00 mm
Polarized to Mating Part Yes
Stackable No
Temperature Range - Operating -40°C to +85°C
Wire Size AWG 26, 28

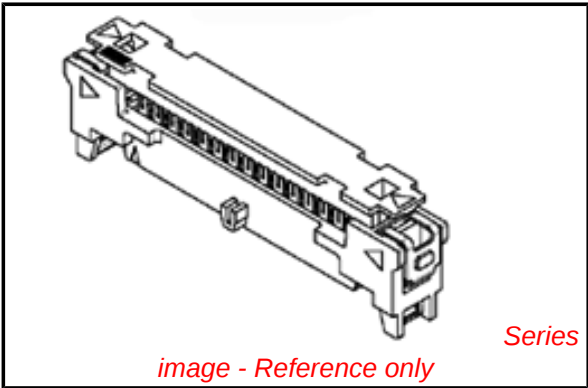
Electrical

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

Material Info

Reference - Drawing Numbers

Product Specification PS-87985-026
Sales Drawing SD-87985-014



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
[87985Series](#)

Mates With
[87981](#) Straddle Mount Milligrid Header,
[87982](#) Vertical Milligrid Header, [87983](#)
Surface Mount Milligrid Header, [87984](#) Right
Angle Milligrid Header

F

E

D

C

B

A

10

9

8

7

6

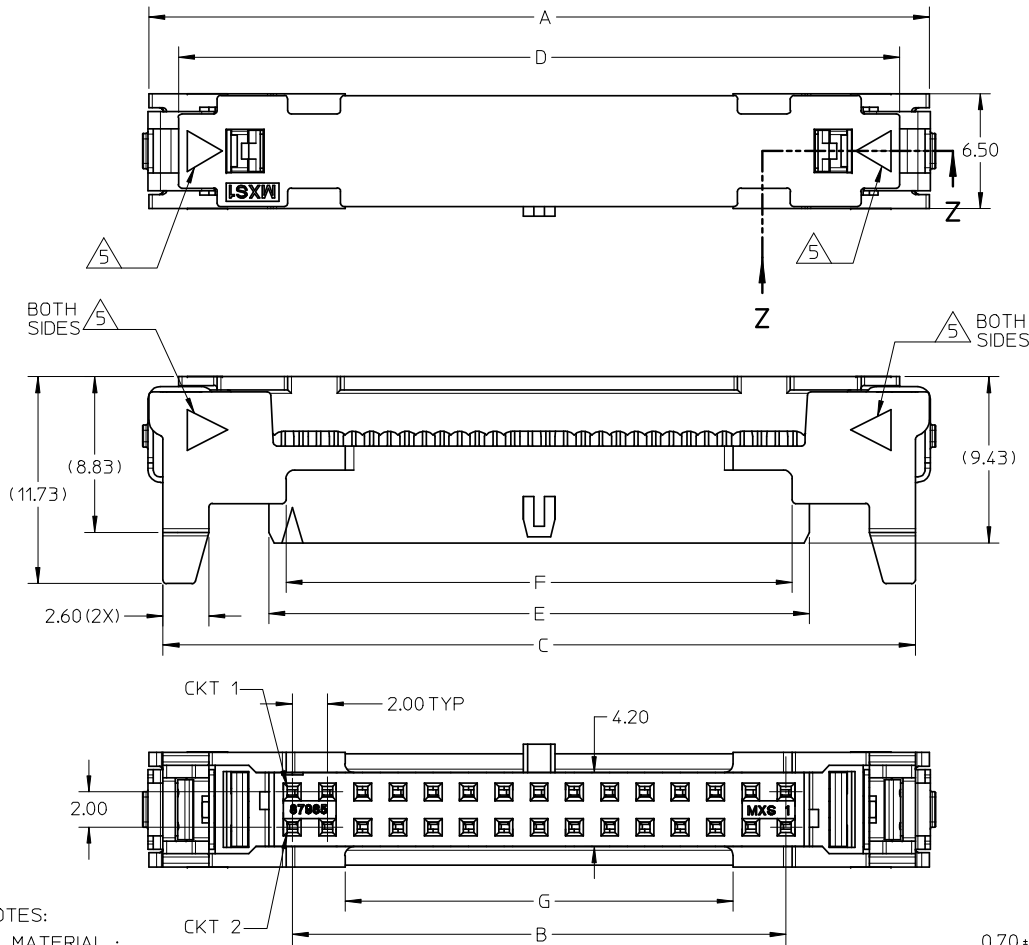
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4

3

2

1



NOTES:

1. MATERIAL :

HOUSING : PBT, GLASS FILLED, UL94V-0, COLOR: GRAY,

PANTONE CODE: COOL GRAY 8C (CLOSEST MATCH)

UPPER HOUSING: PA66, GLASS FILLED, UL94V-0, COLOR: GRAY,

PANTONE CODE: COOL GRAY 8C (CLOSEST MATCH)

TERMINAL : COPPER ALLOY.

2. PLATING:

0.38μM GOLD IN CONTACT AREA AND 1.88μM TIN IN IDT
AREA OVER 1.25μM NICKEL OVERALL

3. FOR ILLUSTRATION PURPOSES, 30 CIRCUIT SIZE WAFER IS SHOWN.

4. THIS IS A LEAD FREE PRODUCT.

5. BLUE COLOR PRINT, PANTONE CODE 300C

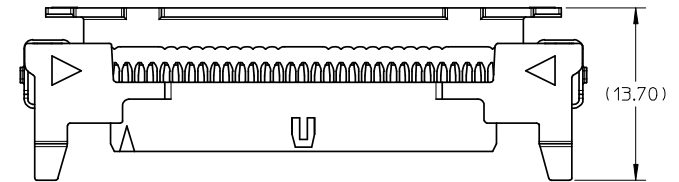
6. PRODUCT SPECIFICATION : PS-87985-026

7. PRODUCTS ARE PACKED IN TRAY.

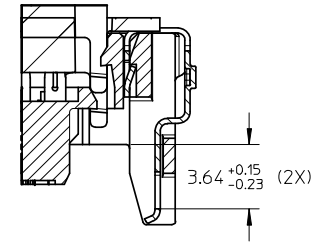
8. PRODUCTS ARE MATED WITH 87981, 87982, 87983, 87984 SERIES.

9. LATCHES ARE NOT TO BE DEPRESSED DURING MATING.

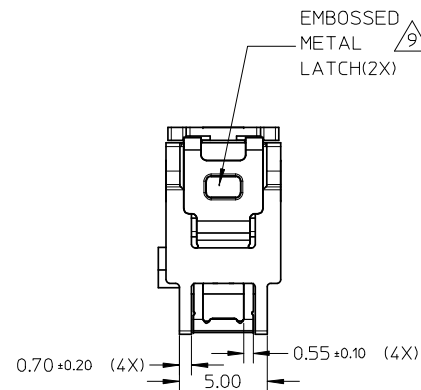
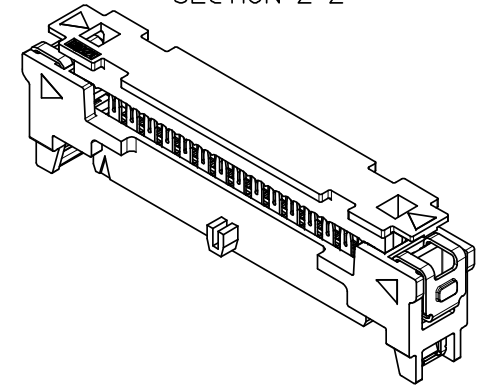
ASSEMBLY P/N	CKT SIZE	DIMENSION						
		A	B	C	D	E	F	G
87985-3030	30	44.25	28.00	42.65	40.90	30.55	28.70	22.00
87985-3040	40	54.25	38.00	52.65	50.90	40.55	38.70	32.00
87985-3044	44	58.25	42.00	56.65	54.90	44.55	42.70	36.00
87985-3050	50	64.25	48.00	62.65	60.90	50.55	48.70	42.00



UPPER HOUSING IN OPEN POSITION



SECTION Z-Z

EMBOSSED
METAL LATCH(2X)

REMOVE SERIES NO. EC NO: S2008-0476 DRWN:JTAN02 CHKD:BOKOK APPR:KCLING	2007/12/11 2007/12/11 2007/12/13	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
						DRAWN BY DATE		TITLE		
						CHECKED BY DATE		MGRID, 2.00 IDT RECEPT. W/EMBOSSED METAL LATCH		
						APPROVED BY DATE		MOLEX INCORPORATED		
B	REV			ANGULAR ± 3 °		PTLIM 2005/07/13		DOCUMENT NO. SD-87985-014		SHEET NO. 1 OF 1
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE TABLE				
						SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		