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Part Number:

0875684043

Status:

Active

Description:

2.00mm (.079") Pitch Milli-Grid™ Cable-to-Board Receptacle, Dual Row, IDT, Lead-free, 40 Circuits, 0.38mm (.015") Gold (Au) Selective Plating, with Center Polarization Key, without Locking Friction Ramp

Documents:

3D Model

Drawing (PDF)

Product Specification PS-87568-004 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

UL

LR19980

E29179

General

Product Family

Series

Crimp Quality Equipment

Product Name

Use With

IDT and Solder Connectors

87568

Yes

Milli-Grid™

87569-1040 Strain Relief (Optional)

Physical

Circuits (Loaded)

Color - Resin

Durability (mating cycles max)

Flammability

Gender

Glow-Wire Compliant

Lock to Mating Part

Material - Metal

Material - Resin

Number of Rows

Packaging Type

Panel Mount

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Polarized to Mating Part

Stackable

Temperature Range - Operating

Termination Interface: Style

Wire Size AWG

40

Black

100

94V-0

Female

No

None

Copper Alloy

Polyester

2

Tray

No

0.079 In

2.00 mm

Yes

No

-20°C to +85°C

IDT or Pierce

28

Electrical

Current - Maximum per Contact

Voltage - Maximum

1A

125V

Material Info

Reference - Drawing Numbers

Product Specification

Sales Drawing

PS-87568-004

SD-87568-003

Series

image - Reference only

EU RoHS

ELV and RoHS Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Not 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

87568Series

Mates With

87831 Vertical PCB Header, 87832 Surface Mount PCB Header, 87833 Right Angle PCB Header

Application Tooling | FAQ

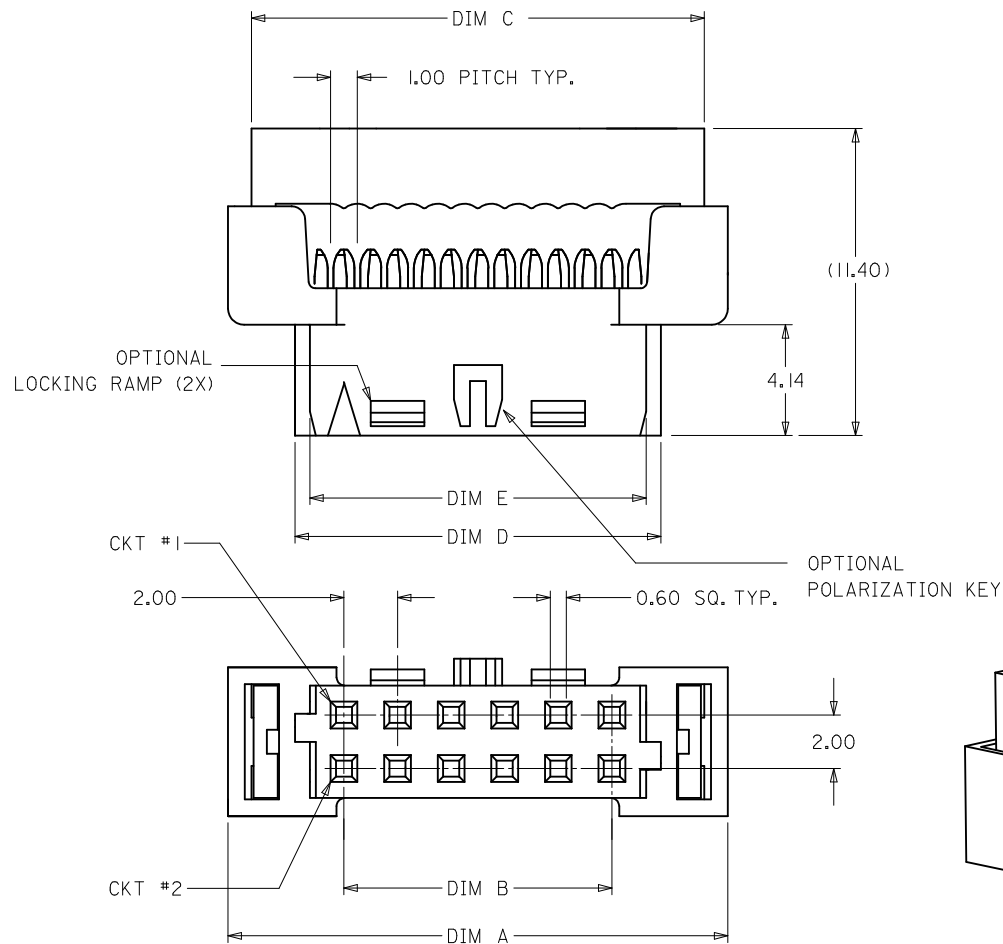
Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

Global	
Description	Product #
IDT Ribbon Cable Adapter Kit For 2.00mm Milli-Grid™	0621002400
IDT - Manual - Handtool	0621002000
Manual Press with IDT Ribbon Cable Tool Kit	0621002200

This document was generated on 04/20/2010

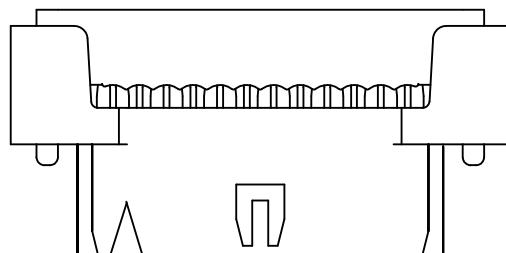
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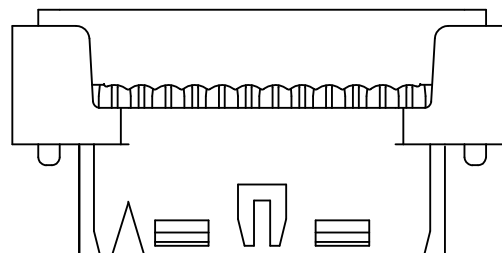


1. MATERIALS:
HOUSING - PBT. GLASS FILLED UL94V-0 BLACK
TERMINAL - COPPER ALLOY
2. FINISHES
PLATING 3 - 15uin (0.38um) SELECTIVE GOLD IN CONTACT AREA
AND 75uin (1.88um) TIN IN IDT AREA OVER 50uin (1.25um)
NICKEL OVERALL.
PLATING 4 - 30uin (0.76um) SELECTIVE GOLD IN CONTACT AREA
AND 75uin (1.88um) TIN IN IDT AREA OVER 50uin (1.25um)
NICKEL OVERALL.
3. PRODUCT SPEC PS-87568-004 APPLIES
4. FOR ILLUSTRATION PURPOSES, I2 CKT IS SHOWN
5. PART MATES WITH ALL MILLIGRID HEADERS WITH MATING LENGTH
BETWEEN 2.50mm AND 4.20mm
6. PART IS DESIGNED FOR 1.00mm PITCH FLAT CABLE, 7 STRANDS,
AWG #28, UL2651 AND UL2678
7. ALL OTHER CIRCUIT SIZES, CONTACT FACTORY.
8. STRAIN RELIEF TO BE PURCHASED SEPERATELY,
REFER TO SD-87569-008

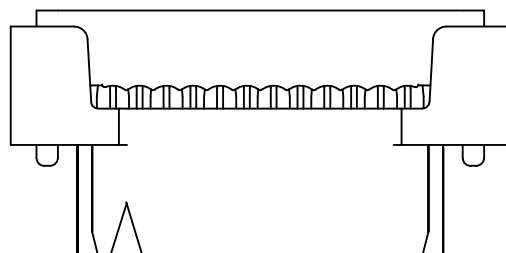
ADD 32CKT OPTION EC NO: S2010--0273 DRWN:SKANG CHKD:ATSEE APPR:MLONG H1		DESCRIPTION 2009/09/28 2009/11/13 2009/11/17	QUALITY SYMBOLS FA=0 FE=0 FB=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
					mm	INCH	DRAWN BY AGARWAL	DATE 1997/08/05	TITLE MGRID 2MM DUAL ROW IDT RECEPTACLE				
				4 PLACES	± ---	± ---	CHECKED BY SQUEK	DATE 1997/09/03					
				3 PLACES	± ---	± ---	APPROVED BY MLONG		DATE 2009/11/13	molex MOLEX INCORPORATED			
				2 PLACES	± 0.15	± ---	MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-87568-003				
				1 PLACE	± ---	± ---	SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
				ANGULAR ± 3 °									
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									



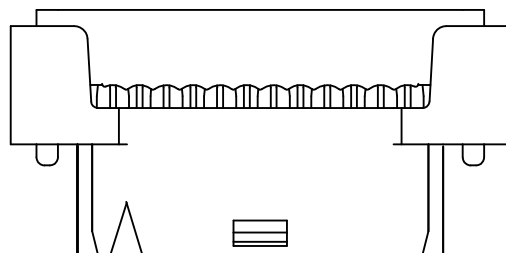
87568-***4*
POLARIZATION ONLY
(APPLICABLE FOR 14 TO 50 CKT)



87568-***9*
POLARIZATION AND RAMP LOCKING
(APPLICABLE FOR 14 TO 50 CKT)



87568-***6*
NO POLARIZATION/RAMP FEATURE
(APPLICABLE FOR 10 TO 50 CKT)



87568-**7*
SINGLE RAMP LOCKING ONLY
(APPLICABLE FOR I0 TO I2 CKT)

ENGINEERING NUMBER	CKT. SIZE	A	B	C	D	E
87568-10**	10	16.65	8.00	14.90	11.65	10.55
87568-12**	12	18.65	10.00	16.90	13.65	12.55
87568-14**	14	20.65	12.00	18.90	15.65	14.55
87568-16**	16	22.65	14.00	20.90	17.65	16.55
87568-20**	20	26.65	18.00	24.90	21.65	20.55
87568-22**	22	28.65	20.00	26.90	23.65	22.55
87568-24**	24	30.65	22.00	28.90	25.65	24.55
87568-26**	26	32.65	24.00	30.90	27.65	26.55
87568-30**	30	36.65	28.00	34.90	31.65	30.55
87568-32**	32	38.65	30.00	36.90	33.65	32.55
87568-34**	34	40.65	32.00	38.90	35.65	34.55
87568-36**	36	42.65	34.00	40.90	37.65	36.55
87568-40**	40	46.65	38.00	44.90	41.65	40.55
87568-44**	44	50.65	42.00	48.90	45.65	44.55
87568-50**	50	56.65	48.00	54.90	51.65	50.55

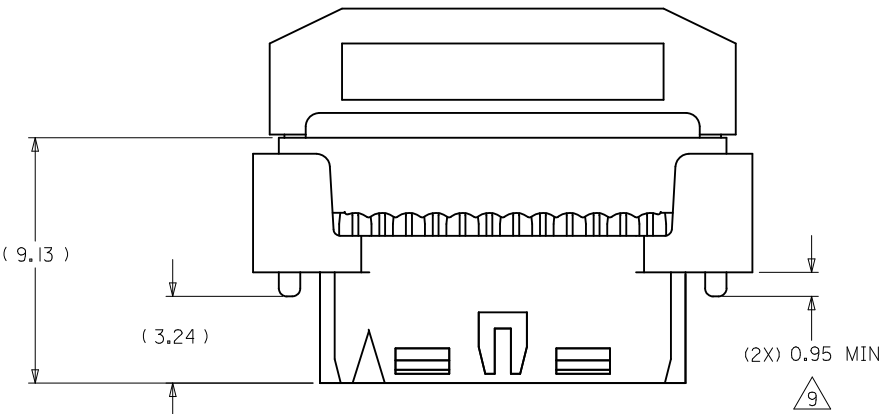
87568 - * * * *
 CKT. SIZE ————
 PLATING OPTION
 (SEE NOTE 2)
 POLARIZATION KEY
 & LOCKING RAMP OPTION

4 - WITH POLARIZATION ONLY FOR I4 - 50 CKT
6 - WITHOUT POLARIZATION AND RAMP LOCKING
7 - WITH SINGLE RAMP LOCKING ONLY FOR I0 & I2 CKT
9 - WITH POLARIZATION AND RAMP LOCKING FOR I4 - 50 CKT

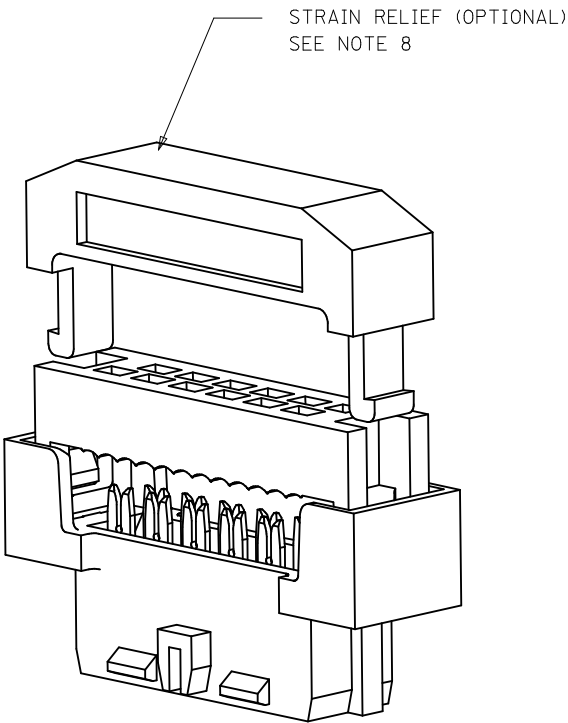
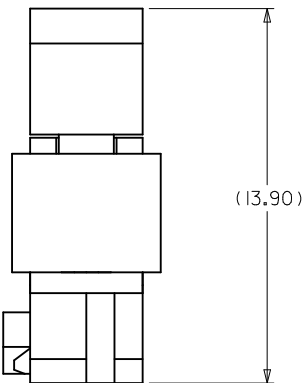
10-12 CIRCUIT SIZE HAS ONLY ONE RAMP
FOR LOCKING (OPTIONAL)

14-50 CIRCUIT SIZE HAS BOTH
POLARIZATION AND RAMP LOCKING (OPTIONAL)

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				mm	INCH	DRAWN BY AGARWAL	DATE 1997/08/05	TITLE MGRID 2MM DUAL ROW IDT RECEPTACLE						
			4 PLACES	± ---	± ---	CHECKED BY SQUEK	DATE 1997/09/03							
			3 PLACES	± ---	± ---	APPROVED BY MLONG	DATE 2009/11/13							MOLEX INCORPORATED
			2 PLACES	± 0.15	± ---	ANGULAR ± 3 °			MATERIAL NO. SEE TABLE	DOCUMENT NO. SD-87568-003	SHEET NO. 2 OF 3			
			1 PLACE	± ---	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



CABLE LOADED ASSEMBLY
WITH STRAIN RELIEF



3D VIEW
(12 CKT SHOWN
FOR ILLUSTRATION ONLY)

NOTES

△ 9 THIS DIMENSION IS TO ENSURE GOOD CABLE TERMINATION.

ADD 32CKT OPTION EC NO: S2010-0273 DRWN:SKANG CHKD:ATSEE APPR:MLONG H1		DESCRIPTION REV	QUALITY SYMBOLS $F_A=0$ $F_G=0$ $F_P=0$	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION		
						MM ONLY		NTS	METRIC			
					mm	INCH	DRAWN BY		DATE		TITLE MGRID 2MM DUAL ROW IDT RECEPTACLE  MOLEX INCORPORATED	
				4 PLACES	± ---	± ---	AGARWAL		1997/08/05			
				3 PLACES	± ---	± ---	CHECKED BY		DATE			
2 PLACES	± 0.15	± ---	SQUEK		1997/09/03							
	1 PLACE	± ---	± ---	APPROVED BY		DATE	 MOLEX INCORPORATED					
	ANGULAR ± 3 °		MLONG		2009/11/13							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				MATERIAL NO.		DOCUMENT NO.		SHEET NO.				
				SEE TABLE		SD-87568-003		3 OF 3				
				SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							