

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0875681693

Status:

Active

Description:

2.00mm (.079") Pitch Milli-Grid™ Cable-to-Board Receptacle, Dual Row, IDT, Lead-free, 16 Circuits, 0.38mm (.015") Gold (Au) Selective Plating, with Center Polarization Key and Locking Friction Ramp

Documents:

3D Model

Drawing (PDF)

Product Specification PS-87568-004 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

Series

Crimp Quality Equipment

MolexKits

Product Name

Use With

IDT and Solder Connectors

87568

Yes

Yes

Milli-Grid™

87569-1016 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

16

Black

100

94V-0

Female

No

Yes

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

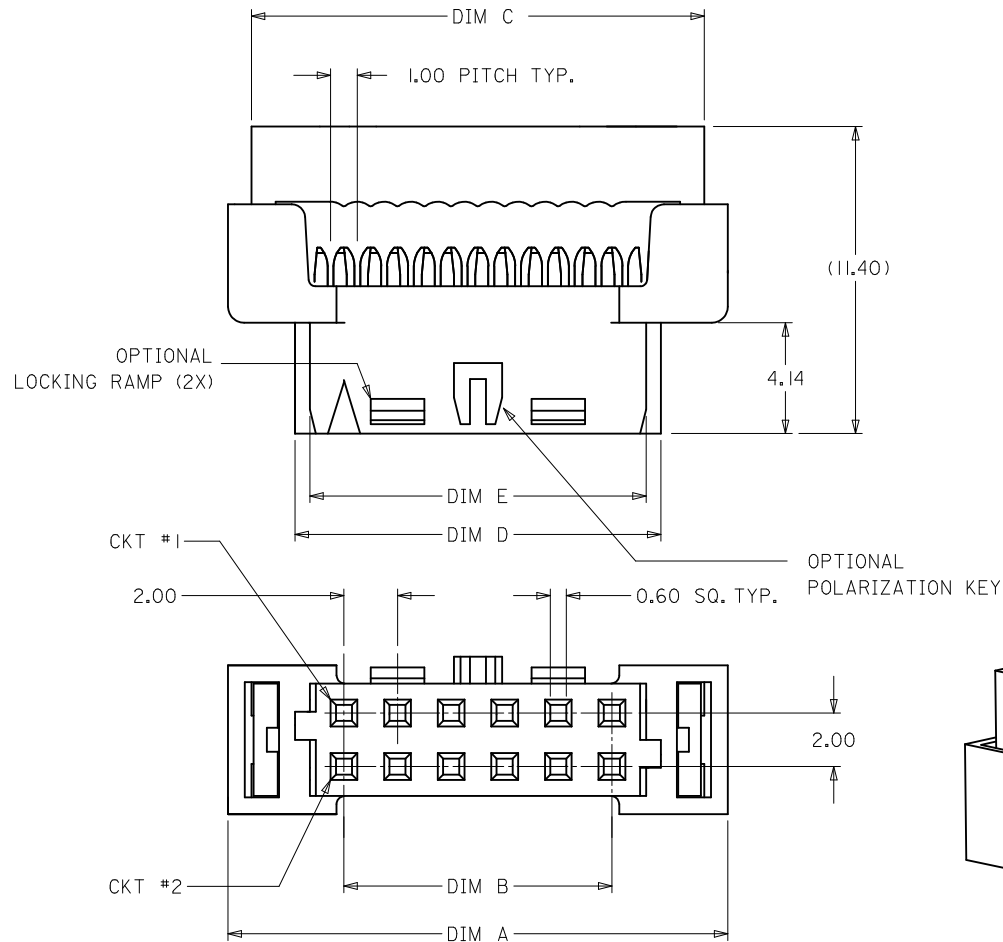
Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

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

This document was generated on 06/08/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

F
E
D
C
B
A



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	2009/09/28 2009/11/13 2009/11/17	DESCRIPTION	QUALITY SYMBOLS =0 =0 =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	± ---									
				1 PLACE	± ---	± ---	MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-87568-003	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								

F

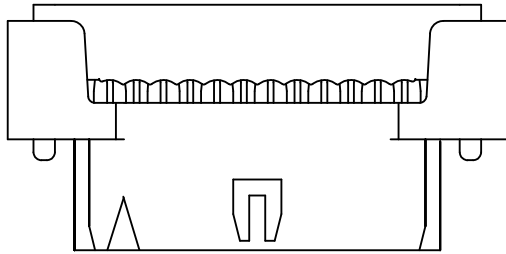
E

D

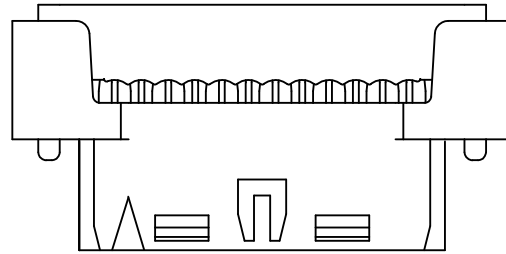
C

B

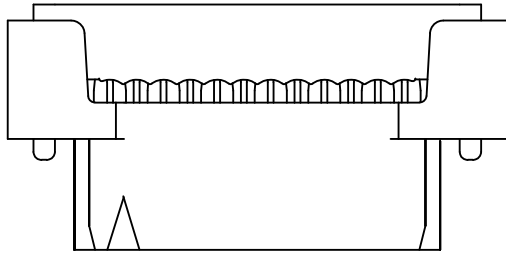
A



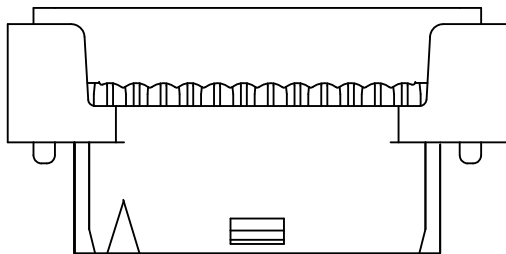
87568-***4*
POLARIZATION ONLY
(APPLICABLE FOR 14 TO 50 CKT)



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

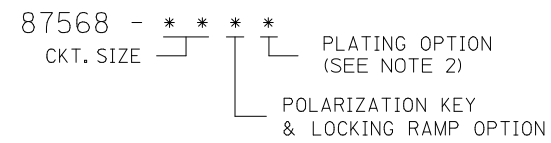


87568-***6*
NO POLARIZATION/RAMP FEATURE
(APPLICABLE FOR 10 TO 50 CKT)



87568-***7*
SINGLE RAMP LOCKING ONLY
(APPLICABLE FOR 10 TO 12 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



- 4 - WITH POLARIZATION ONLY FOR 14 - 50 CKT
- 6 - WITHOUT POLARIZATION AND RAMP LOCKING
- 7 - WITH SINGLE RAMP LOCKING ONLY FOR 10 & 12 CKT
- 9 - WITH POLARIZATION AND RAMP LOCKING FOR 14 - 50 CKT

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

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

ADD 32CKT OPTION
EC NO: S2010-0273
DRWN:SKANG
CHKD:ATSEE
APPR:MLONG

2009/09/28
2009/11/13
2009/11/17

REV
H1

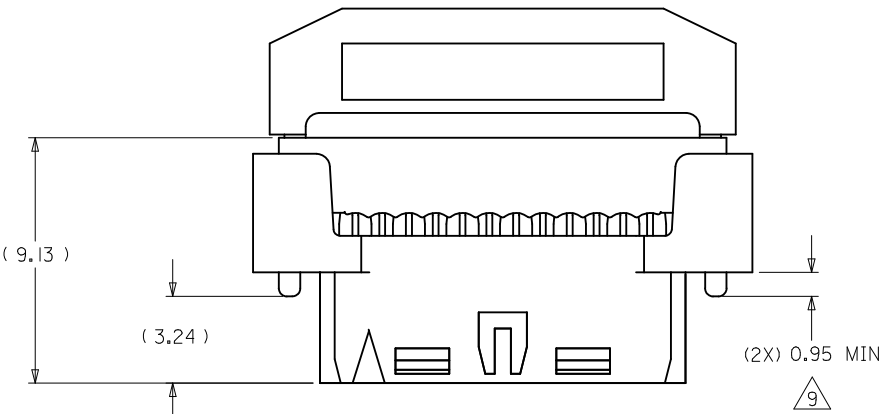
DESCRIPTION

QUALITY SYMBOLS
FA=0
FE=0
FO=0

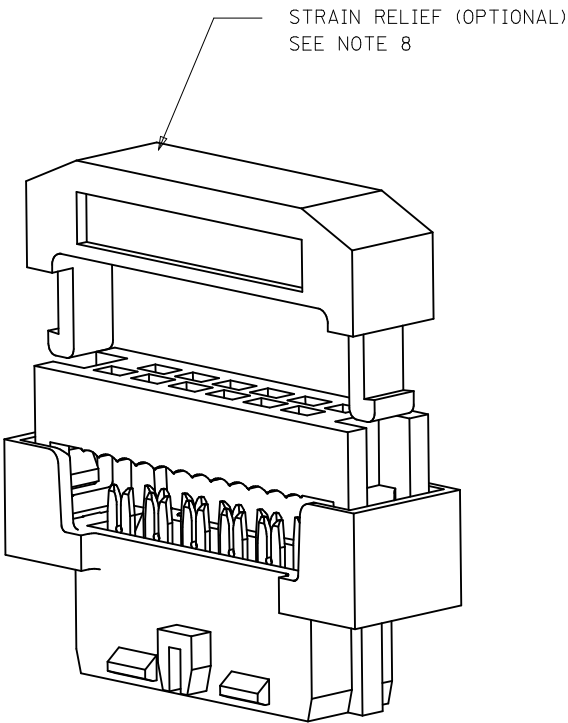
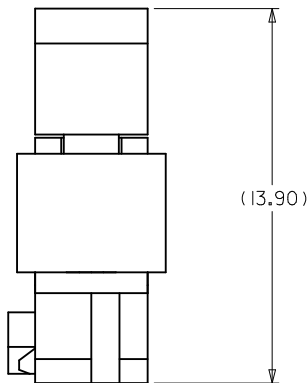
GENERAL TOLERANCES (UNLESS SPECIFIED)
mm INCH
4 PLACES ± --- ± ---
3 PLACES ± --- ± ---
2 PLACES ± 0.15 ± ---
1 PLACE ± --- ± ---
ANGULAR ± 3 °
DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY
DRAWN BY DATE
AGARWAL 1997/08/05
CHECKED BY DATE
SQUEK 1997/09/03
APPROVED BY DATE
MLONG 2009/11/13
MATERIAL NO.
SEE TABLE
SIZE A3
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

SCALE
NTS
DESIGN UNITS
METRIC
THIRD ANGLE PROJECTION
MGRID
2MM DUAL ROW
IDT RECEPTACLE
MOLEX MOLEX INCORPORATED
DOCUMENT NO.
SD-87568-003
SHEET NO.
2 OF 3



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 2009/09/28 CHKD:ATSEE 2009/11/13 APPR:MLONG 2009/11/17 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	
						4 PLACES ± ---	± ---	AGARWAL	1997/08/05			
				3 PLACES ± ---	± ---	CHECKED BY	DATE	MOLEX INCORPORATED				
				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					