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Part Number:	**0875681073**
Status:	**Active**
Description:	2.00mm (.079") Pitch Milli-Grid™ Cable-to-Board Receptacle, Dual Row, IDT, Lead-free, 10 Circuits, 0.38mm (.015") Gold (Au) Selective Plating, without Center Polarization Key, with Locking Friction Ramp

Documents:
3D Model
Drawing (PDF)

Product Specification PS-87568-004 (PDF)
RoHS Certificate of Compliance (PDF)

Series image - Reference only

Agency Certification
CSA	LR19980
UL	E29179

General
Product Family	IDT and Solder Connectors
Series	87568
Crimp Quality Equipment	Yes
MolexKits	Yes
Product Name	Milli-Grid™
Use With	87569-1010 Strain Relief (Optional)

Physical
Circuits (Loaded)	10
Color - Resin	Black
Durability (mating cycles max)	100
Flammability	94V-0
Gender	Female
Glow-Wire Compliant	No
Lock to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Resin	Polyester
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	-20℃ to +85℃
Termination Interface: Style	IDT or Pierce
Wire Size AWG	28

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

Material Info

Reference - Drawing Numbers
Product Specification	PS-87568-004
Sales Drawing	SD-87568-003

EU RoHS   **China RoHS**
ELV and RoHS Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free Status
Not Halogen-Free

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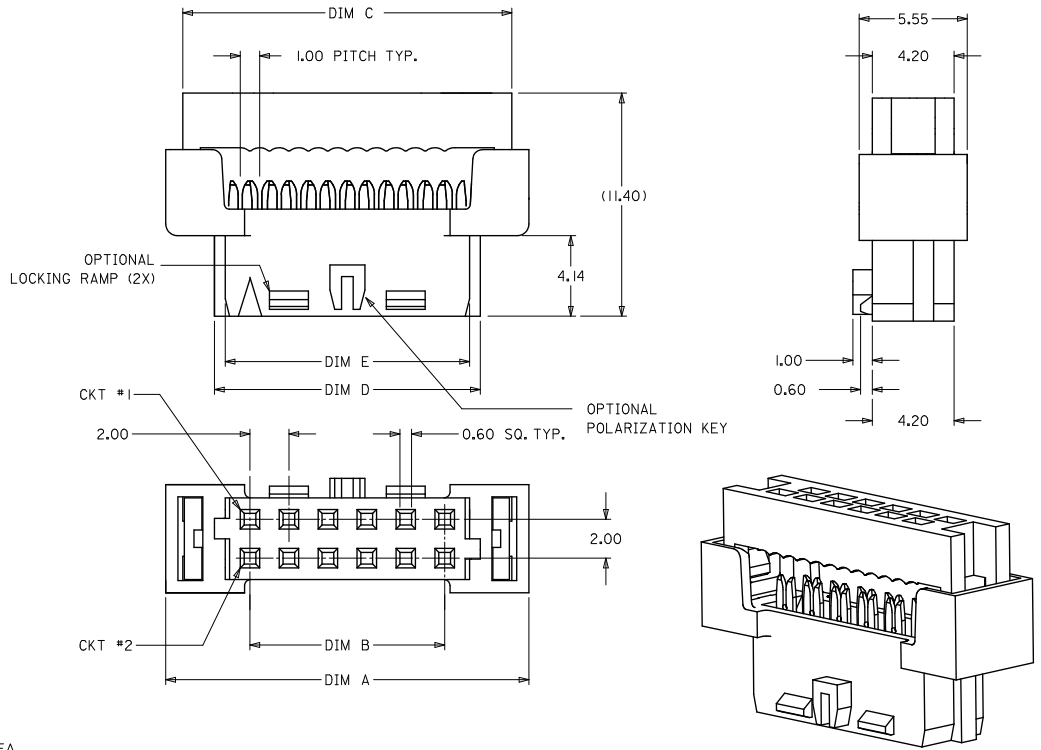
Application Tooling | **FAQ**
Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.
Global

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
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DIM C

1.00 PITCH TYP.

(11.40)

4.14

OPTIONAL
LOCKING RAMP (2X)

DIM E
DIM D

OPTIONAL
POLARIZATION KEY

CKT #1

2.00

0.60 SQ. TYP.

2.00
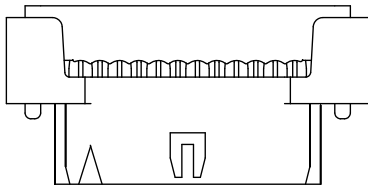
CKT #2

DIM B

DIM A

5.55

4.20

1.00

0.60

4.20

1. MATERIALS:
   HOUSING - PBT. GLASS FILLED UL94V-O 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, 12 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,
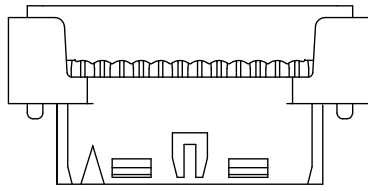   REFER TO SD-87569-008

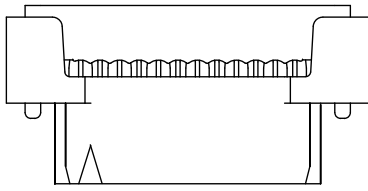| ADD 32CKT OPTION	2009/09/28	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	⊚ ◁ THIRD ANGLE PROJECTION
EC NO: S2010-0273	2009/11/13	⊽F/A =0		mm	INCH	DRAWN BY AGARWAL	DATE 1997/08/05	TITLE	MGRID 2MM DUAL ROW IDT RECEPTACLE
DRWN:SKANG	2009/11/17		4 PLACES	± ---	± ---				
CHKD:ATSEE		⊽F/T =0	3 PLACES	± ---	± ---	CHECKED BY SQUEK	DATE 1997/09/03		
APPR:MLONG			2 PLACES	± 0.15	± ---				
		⊽F/P =0	1 PLACE	± ---	± ---	APPROVED BY MLONG	DATE 2009/11/13	molex	MOLEX INCORPORATED
H1	REV		ANGULAR ± 3°			MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-87568-003	SHEET NO. 1 OF 3
			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		

tb_frame_A3_P_AM_T
Rev. F 2009/06/18

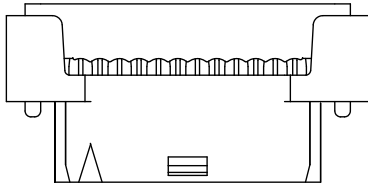| ENGINEERING NUMBER	CKT. SIZE	A	B	C	D	E
87568-10**	10	16.65	8.00	14.90	11.65	10.55
87568-12**	12	18.65	10.00	16.90	13.65	12.55
87568-14**	14	20.65	12.00	18.90	15.65	14.55
87568-16**	16	22.65	14.00	20.90	17.65	16.55
87568-20**	20	26.65	18.00	24.90	21.65	20.55
87568-22**	22	28.65	20.00	26.90	23.65	22.55
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-**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)

87568 - * * * *
CKT.SIZE
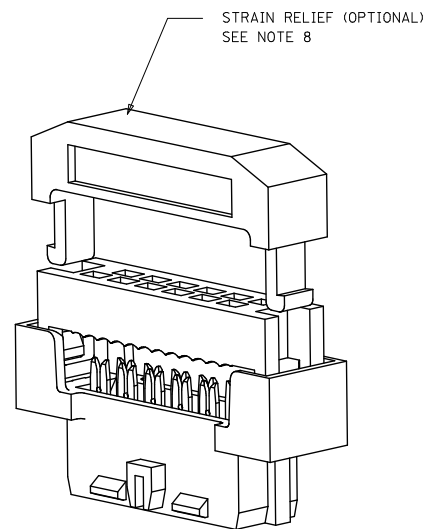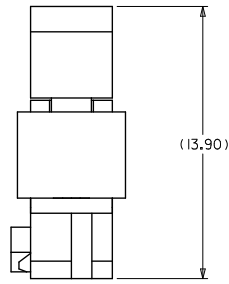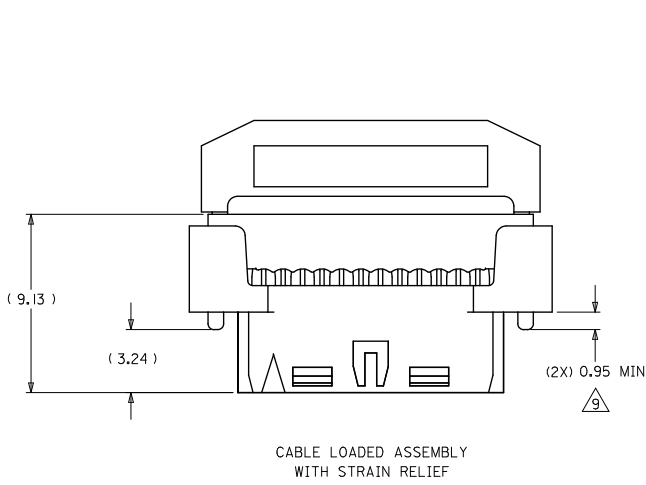PLATING OPTION
(SEE NOTE 2)

POLARIZATION KEY
& LOCKING RAMP OPTION

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   2009/09/28
CHKD:ATSEE   2009/11/13
APPR:MLONG   2009/11/17
REV H1   DESCRIPTION

QUALITY SYMBOLS		
F_A =0		
F_V =0		
F_P =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	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
MM ONLY	NTS	METRIC	

DRAWN BY	DATE
AGARWAL	1997/08/05
CHECKED BY	DATE
SQUEK	1997/09/03
APPROVED BY	DATE
MLONG	2009/11/13

TITLE
MGRID
2MM DUAL ROW
IDT RECEPTACLE

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MATERIAL NO.	DOCUMENT NO.	SHEET NO.
SEE TABLE	SD-87568-003	2 OF 3

SIZE A3
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STRAIN RELIEF (OPTIONAL)
SEE NOTE 8

(9.13)

(3.24)

(2X) 0.95 MIN

9

CABLE LOADED ASSEMBLY
WITH STRAIN RELIEF

(13.90)

3D VIEW
(12 CKT SHOWN
FOR ILLUSTRATION ONLY)

NOTES

9 THIS DIMENSION IS TO ENSURE GOOD CABLE TERMINATION.

		QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY	SCALE NTS	DESIGN UNITS METRIC	⊚ ◁ THIRD ANGLE PROJECTION

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.15	± ---
1 PLACE	± ---	± ---
ANGULAR ± 3 °		

F/A =0
F/T =0
F/P =0

DRAWN BY AGARWAL DATE 1997/08/05
CHECKED BY SQUEK DATE 1997/09/03
APPROVED BY MLONG DATE 2009/11/13

TITLE
MGRID
2MM DUAL ROW
IDT RECEPTACLE

molex MOLEX INCORPORATED

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

MATERIAL NO. SEE TABLE

DOCUMENT NO. SD-87568-003

SHEET NO. 3 OF 3

SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

ADD 32CKT OPTION
EC NO: S2010-0273
DRWN:SKANG 2009/09/28
CHKD:ATSEE 2009/11/13
APPR:MLONG 2009/11/17
DESCRIPTION
H1 REV

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Rev. F 2009/06/18