This document was generated on 04/20/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0875681644

Status: Active

Description: 2.00mm (.079") Pitch Milli-Grid™ Cable-to-Board Receptacle, Dual Row, IDT, Lead-free, 16 Circuits, 0.76mm (.030") 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)

Series image - Reference only

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	IDT and Solder Connectors
Series	87568
Crimp Quality Equipment	Yes
Product Name	Milli-Grid™
Use With	87569-1016 Strain Relief (Optional)

Physical

Circuits (Loaded)	16
Color - Resin	Black
Durability (mating cycles max)	100
Flammability	94V-0
Gender	Female
Glow-Wire Compliant	No
Lock to Mating Part	None
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°C to +85°C
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
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.

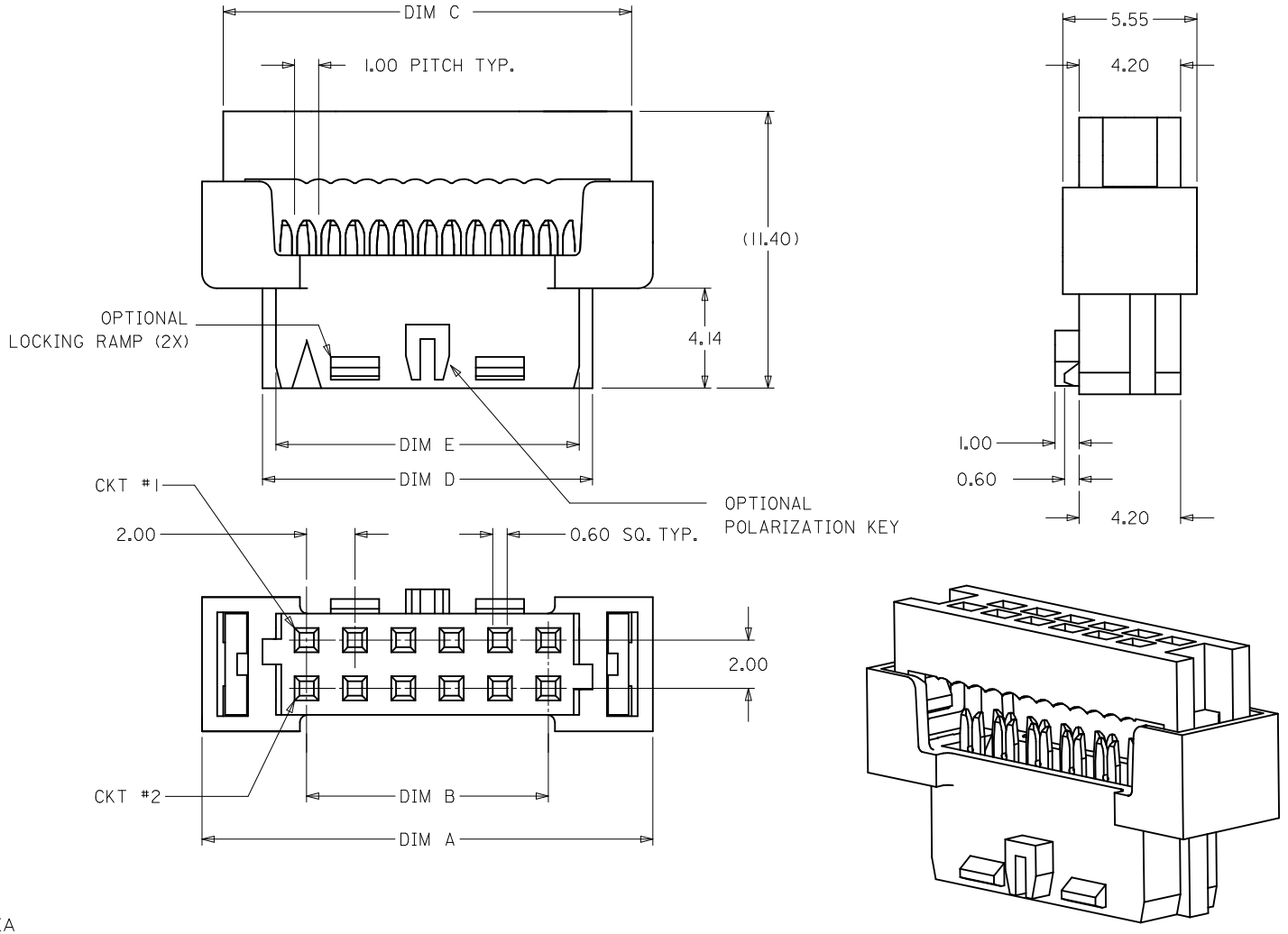
Global

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

IDT - Manual - Tool Kit 0621003200

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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, 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	DESCRIPTION
EC NO: S2010-0273	2009/11/13	
DRWN:SKANG CH'KD:ATSEE APPR:MLONG	2009/11/17	
H1		REV

QUALITY SYMBOLS

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

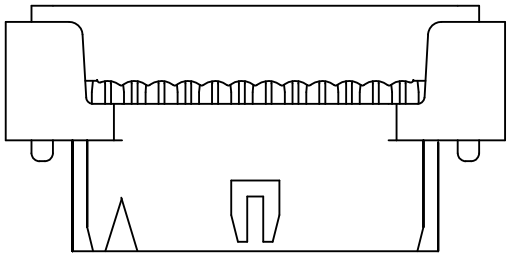
ANGULAR ± 3 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

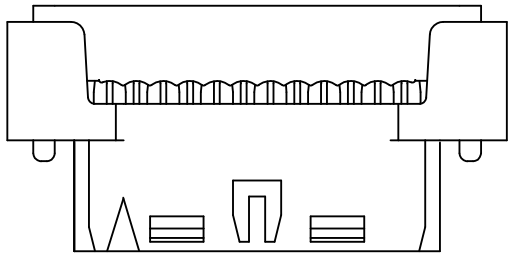
DIMENSION STYLE	MM ONLY
SCALE	NTS
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY / DATE	AGARWAL 1997/08/05
CHECKED BY / DATE	SQUEK 1997/09/03
APPROVED BY / DATE	MLONG 2009/11/13
MATERIAL NO.	SEE TABLE
TITLE	MGRID 2MM DUAL ROW IDT RECEPTACLE
	MOLEX INCORPORATED
DOCUMENT NO.	SD-87568-003
SHEET NO.	1 OF 3
SIZE	A3

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

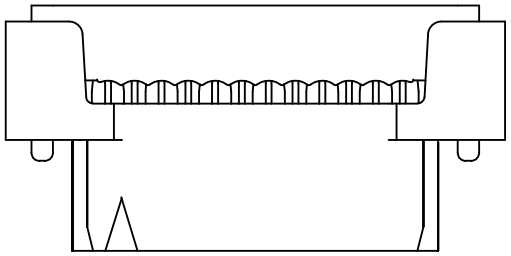
ENGINEERING NUMBER	CKT. SIZE	A	B	C	D	E
87568-10**	10	16.65	8.00	14.90	11.65	10.55
87568-12**	12	18.65	10.00	16.90	13.65	12.55
87568-14**	14	20.65	12.00	18.90	15.65	14.55
87568-16**	16	22.65	14.00	20.90	17.65	16.55
87568-20**	20	26.65	18.00	24.90	21.65	20.55
87568-22**	22	28.65	20.00	26.90	23.65	22.55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



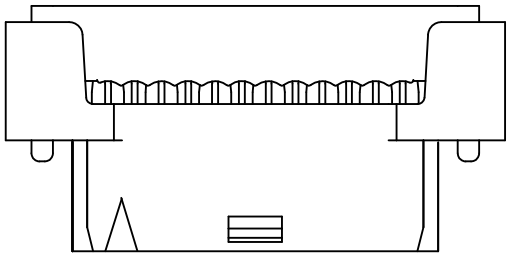
87568-**4*
POLARIZATION ONLY
(APPLICABLE FOR 14 TO 50 CKT)



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 2009/09/28
EC NO: S2010-0273 2009/11/13
DRWN:SKANG CH'KD:ATSEE APPR:MLONG 2009/11/17
DESCRIPTION
H1
REV

QUALITY SYMBOLS
=0
=0
=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
SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

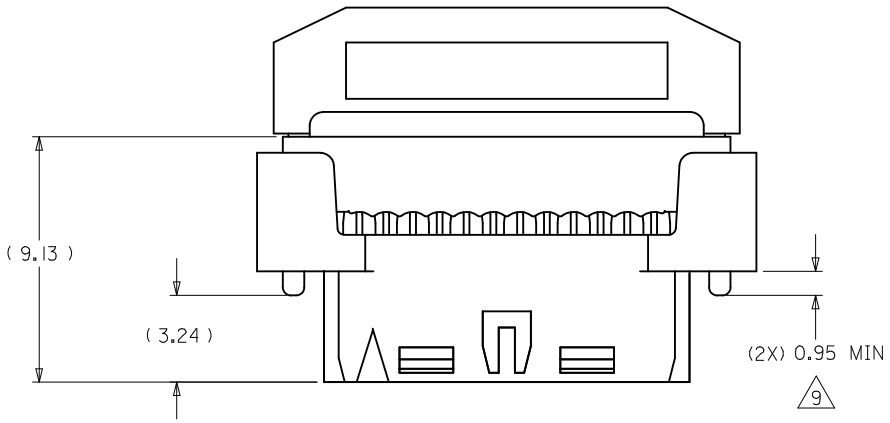
		DATE
DRAWN BY	AGARWAL	1997/08/05
CHECKED BY	SQUEK	1997/09/03
APPROVED BY	MLONG	2009/11/13

TITLE
MGRID
2MM DUAL ROW
IDT RECEPTACLE

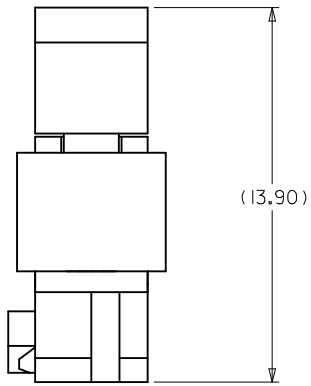
MOLEX INCORPORATED

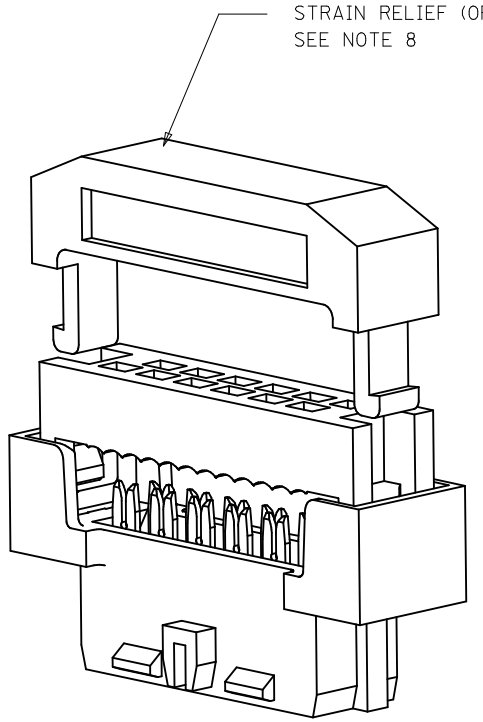
MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-87568-003
SHEET NO.: 2 OF 3
SIZE: A3

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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 2009/09/28
EC NO: S2010-0273 2009/11/13
DRWN:SKANG CH'KD:ATSEE 2009/11/17
APPR:MLONG
DESCRIPTION
H1
REV

QUALITY SYMBOLS
A =0
C =0
B =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
SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

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

TITLE
MGRID
2MM DUAL ROW
IDT RECEPTACLE

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-87568-003
SHEET NO.: 3 OF 3
SIZE: A3

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