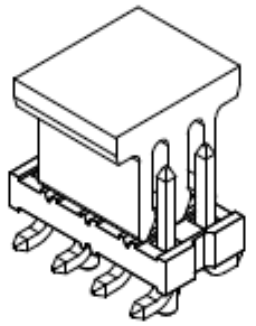
molex
one company > a world of innovation

This document was generated on 05/25/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0877596528
Status: Active
Overview: milligrid
Description: 2.00mm (.079") Pitch Milli-Grid™ Header, Surface Mount, Vertical, 12 Circuits, 0.76µm (30µ") Gold (Au) Selective Plating, with Press-fit Plastic Pegs, Pick-and-Place Cap, Tape on Reel Packaging, Lead-free



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-87761-100 (PDF)
RoHS Certificate of Compliance (PDF)

Agency Certification

UL	E29179

General

Product Family	PCB Headers
Series	87759
Application	Board-to-Board
Overview	milligrid
Product Name	Milli-Grid™

Physical

Breakaway	Yes
Circuits (Loaded)	12
Circuits (maximum)	12
Color - Resin	Black
Durability (mating cycles max)	100
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	None
Mated Height (in)	0.150 In
Mated Height (mm)	3.80 mm
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Vertical
PCB Locator	Yes
PCB Retention	None
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.079 In
Pitch - Mating Interface (mm)	2.00 mm
Pitch - Term. Interface (in)	0.079 In
Pitch - Term. Interface (mm)	2.00 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.76
Polarized to Mating Part	No
Polarized to PCB	No
Robotic Placement	Pick and Place Cap
Shrouded	No
Stackable	Yes
Temperature Range - Operating	-55°C to +105°C

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Contains SVHC: No
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
87759Series

Mates With
79107 Milli-Grid™ Receptacle, Vertical, Through Hole. 79108 Milli-Grid™ Flex-to-Board, Vertical Receptacle. Milli-Grid™ Receptacle, Surface Mount. 79109. 87381

Termination Interface: Style	Surface Mount

Electrical

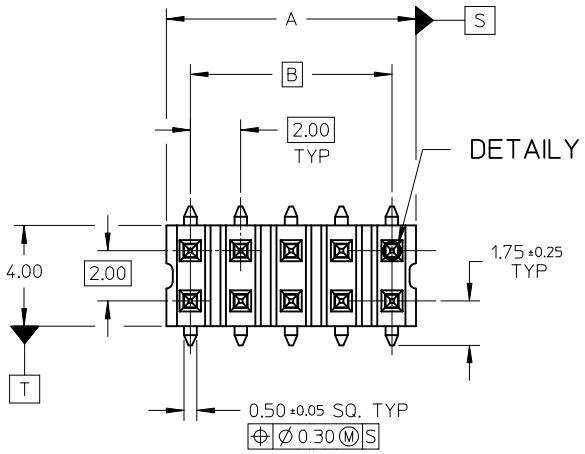
Current - Maximum per Contact	2A
Voltage - Maximum	125V

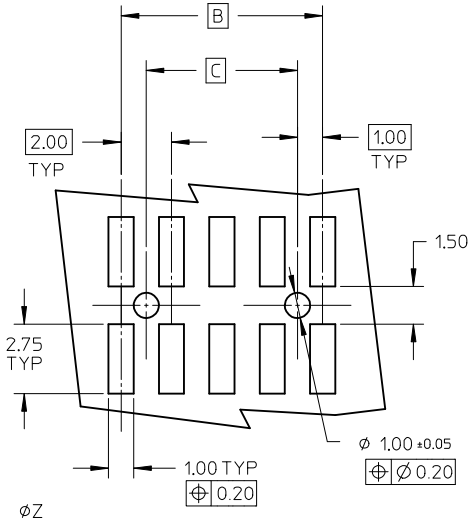
Material Info

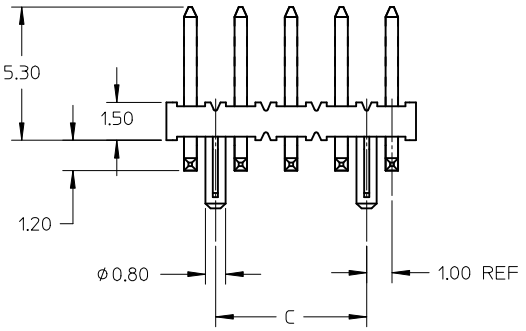
Reference - Drawing Numbers

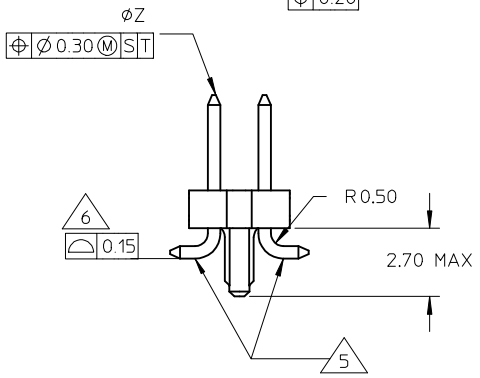
Packaging Specification	PK-89990-484
Product Specification	PS-87761-100
Sales Drawing	SD-87759-207

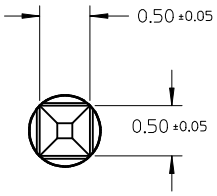
This document was generated on 05/25/2010
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION











DETAIL Y

NOTE:

1. MATERIAL:
   HSG & CAP - HIGH TEMPERATURE THERMOPLASTIC, UL 94V-0, COLOUR BLACK
   PIN - 0.50 SQ PHOSPHOR BRONZE
2. PLATING:
   0.76um MIN GOLD PLATE AT CONTACT AREA,
   TIN PLATE AT SOLDER AREA,
   BOTH OVER NICKEL UNDERPLATE
3. PIN PUSHOUT FORCE: 1KG MIN IN EITHER DIRECTION
4. PRODUCT SPEC PS-87761-100 APPLIES.

5. BEND DEPRESSION IS ACCEPTABLE SO LONG AS IT DOES NOT AFFECT THE OVERALL COPLANARITY OF TAIL.

6. COPLANARITY IS TO BE MEASURED BY RESTING THE SOLDERTAIL ON A GAUGE SURFACE.

7. CAP TO BE LOCATED AS CENTRAL OF PART AS POSSIBLE TOP SURFACE OF CAP TO BE FLAT FOR THE PURPOSE OF PICK & PLACE BY VACUUM SUCTION NOZZLE.

8. FOR ILLUSTRATION PURPOSES, 10CKT IS SHOWN (WITH TAPE & REEL ON 2ND SHEET). SHT 3 INDICATES THE TYPE OF EMBOSSED USED IN GENERAL.

9. TUBE LENGTH IS 560MM REF STANDARD.

10. RECOMMENDED PCB BOARD THK IS 1.60±0.10 MM.

CORRECT P/NS' TYPO ERROR	EC NO: S2009-0867	2009/05/28
	DRWN:ATSEE	2009/05/29
	CH'KD:SKANG	
	APPR:MLONG	2009/06/01
DESCRIPTION		
REV	B1	

QUALITY SYMBOLS
▼=0
Ⓒ=0

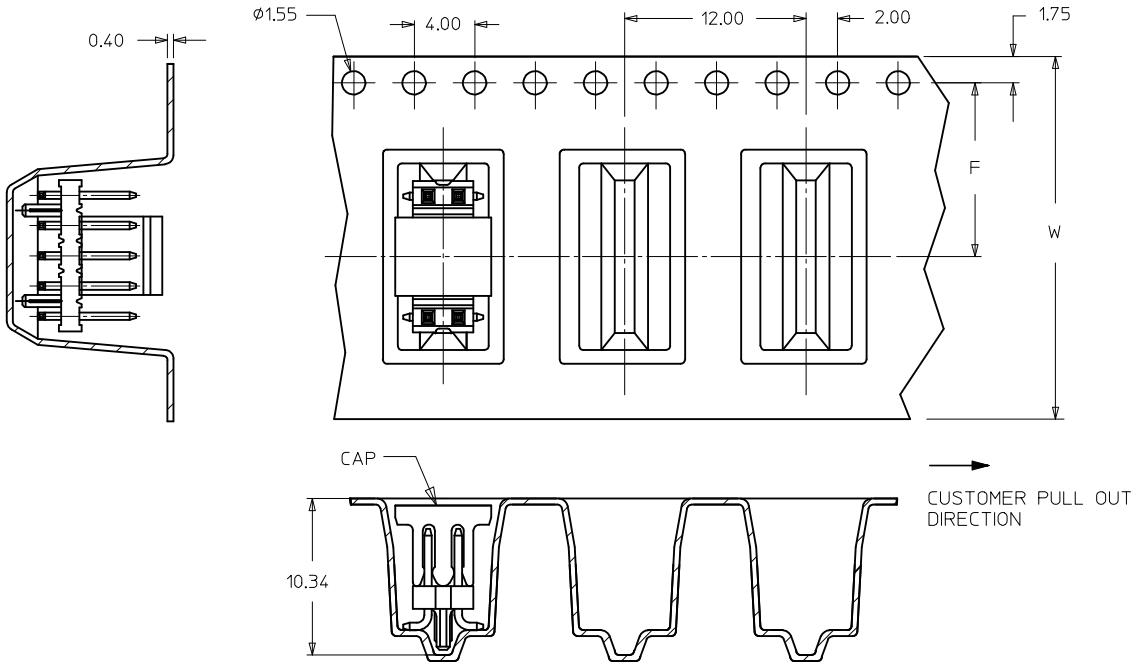
GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.2	± ---
1 PLACE	± ---	± ---
ANGULAR ± 3 °		

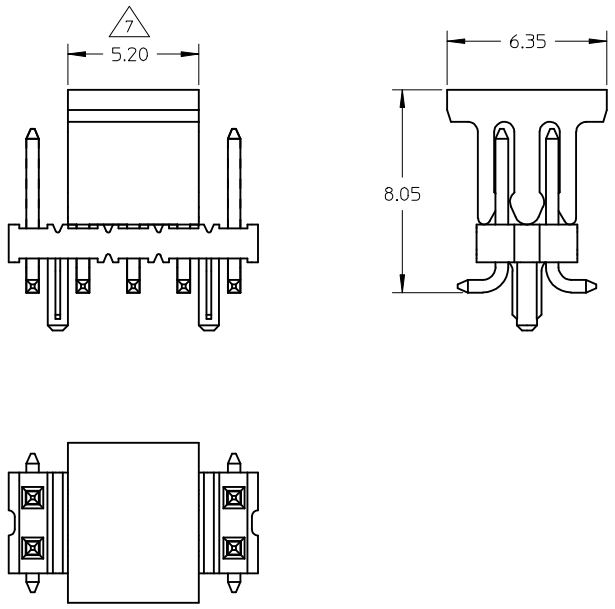
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY	SCALE: NTS	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: KSEE	DATE: 2003/12/19	TITLE: SALES DRAWING MGRID 2MM DUAL ROW SMT HDR WITH PEG	
CHECKED BY: KCLING	DATE: 2004/01/12		
APPROVED BY: SKTOH	DATE: 2004/01/12	MOLEX INCORPORATED	
MATERIAL NO.: SEE TABLE		DOCUMENT NO.: SD-87759-207	SHEET NO.: 1 OF 4
SIZE: A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	

PART IN TAPE AND REEL ORIENTATION

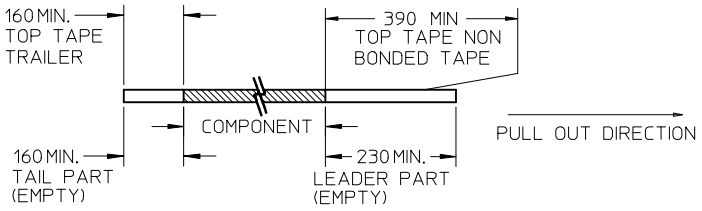


PART WITH CAP

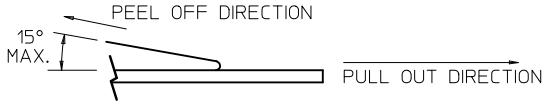


NOTES:

1. LEADER AND TRAILER TAPE



2. PEELING OFF FORCE OF THE TOP TAPE: 20 - 80gf.
   (PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE)



3. TAPE AND REEL SPECIFICATION IS AS PER EIA-481.
4. TAPE AND REEL QUANTITY : 500 PCS/ REEL.
5. THE TAPE IS TREATED FOR ANTI-STATIC.

CORRECT P/NS' TYPO ERROR	EC NO: S2009-0867	2009/05/28
	DRWN:ATSEE	2009/05/29
	CH'KD:SKANG	
	APPR:MLONG	2009/06/01
DESCRIPTION		
REV	B1	

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

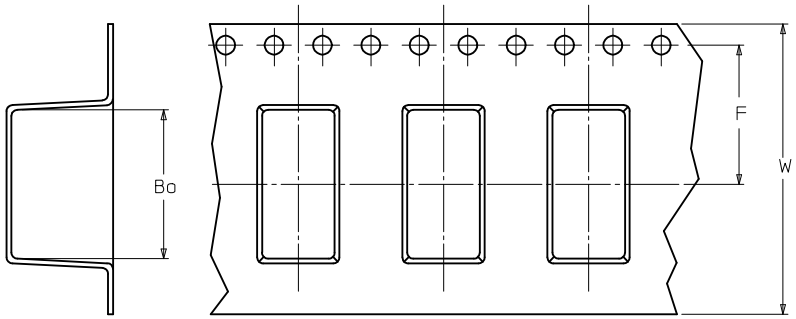
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.2	± ---
1 PLACE	± ---	± ---
ANGULAR ± 3 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

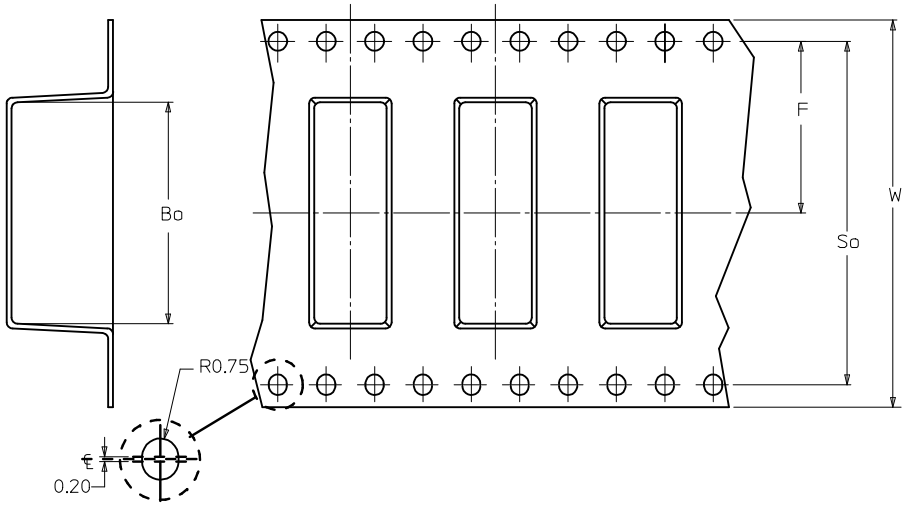
DIMENSION STYLE: MM ONLY	SCALE: NTS	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: KSEE	DATE: 2003/12/19	TITLE: SALES DRAWING MGRID 2MM DUAL ROW SMT HDR WITH PEG	
CHECKED BY: KCLING	DATE: 2004/01/12		
APPROVED BY: SKTOH	DATE: 2004/01/12	MOLEX INCORPORATED	
MATERIAL NO.: SEE TABLE		DOCUMENT NO.: SD-87759-207	SHEET NO.: 2 OF 4
SIZE: A3			

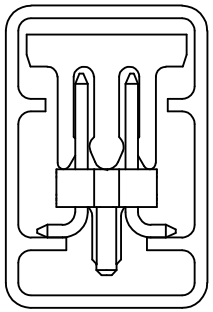
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

EMBOSSED CARRIER TAPE TYPE "A"



EMBOSSED CARRIER TAPE TYPE "B"





PART WITH CAP IN
TUBE ORIENTATION

CORRECT P/NS' TYPO ERROR	2009/05/28		
EC NO: S2009-0867	2009/05/29		
DRWN:ATSEE	2009/06/01		
CH'KD:SKANG			
APPR:MLONG			
DESCRIPTION			
B1	REV		

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.2	± ---
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: KSEE	DATE: 2003/12/19	TITLE: SALES DRAWING MGRID 2MM DUAL ROW SMT HDR WITH PEG	
CHECKED BY: KCLING	DATE: 2004/01/12		
APPROVED BY: SKTOH	DATE: 2004/01/12	molex MOLEX INCORPORATED	
MATERIAL NO.: SEE TABLE		DOCUMENT NO.: SD-87759-207	SHEET NO.: 3 OF 4
SIZE: A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	

PART NUMBER WITH CAP IN TUBE	PART NUMBER WITH CAP IN TAPE AND REEL.	CKT SIZE	A	B	C	Bo	F	So	W	EMBOSSED TYPE
87759-0866	87759-6526	08	7.90	6.00	4.00	8.50	11.50	-	24.00	A
87759-1066	87759-6527	10	9.90	8.00	6.00	10.50	11.50	-	24.00	A
87759-1266	87759-6528	12	11.90	10.00	8.00	12.50	11.50	-	24.00	A
87759-1466	87759-6529	14	13.90	12.00	10.00	14.50	11.50	-	24.00	A
87759-1666	87759-6530	16	15.90	14.00	12.00	16.50	14.20	28.40	32.00	B
87759-1866	87759-6531	18	17.90	16.00	14.00	18.50	14.20	28.40	32.00	B
87759-2066	87759-6532	20	19.90	18.00	16.00	20.50	20.20	40.40	44.00	B
87759-2266	87759-6533	22	21.90	20.00	18.00	22.50	20.20	40.40	44.00	B
87759-2466	87759-6534	24	23.90	22.00	20.00	24.50	20.20	40.40	44.00	B
87759-2666	87759-6535	26	25.90	24.00	22.00	26.50	20.20	40.40	44.00	B
87759-2866	87759-6536	28	27.90	26.00	24.00	28.50	20.20	40.40	44.00	B
87759-3066	87759-6537	30	29.90	28.00	26.00	30.50	20.20	40.40	44.00	B
87759-3266	87759-6538	32	31.90	30.00	28.00	32.50	26.20	52.40	56.00	B
87759-3466	87759-6539	34	33.90	32.00	30.00	34.50	26.20	52.40	56.00	B
87759-3666	87759-6540	36	35.90	34.00	32.00	36.50	26.20	52.40	56.00	B
87759-3866	87759-6541	38	37.90	36.00	34.00	38.50	26.20	52.40	56.00	B
87759-4066	87759-6542	40	39.90	38.00	36.00	40.50	26.20	52.40	56.00	B
87759-4266	87759-6543	42	41.90	40.00	38.00	42.50	26.20	52.40	56.00	B
87759-4466	87759-6544	44	43.90	42.00	40.00	44.50	26.20	52.40	56.00	B
87759-4666	87759-6545	46	45.90	44.00	42.00	50.50	34.20	68.40	72.00	B
87759-4866	87759-6546	48	47.90	46.00	44.00	50.50	34.20	68.40	72.00	B
87759-5066	87759-6547	50	49.90	48.00	46.00	50.50	34.20	68.40	72.00	B

CORRECT P/NS' TYPO ERROR
EC NO: S2009-0867 2009/05/28
DRWN:ATSEE 2009/05/29
CH'KD:SKANG
APPR:MLONG 2009/06/01
DESCRIPTION
REV
B1

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.2	± ---
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: KSEE DATE: 2003/12/19
CHECKED BY: KCLING DATE: 2004/01/12
APPROVED BY: SKTOH DATE: 2004/01/12

TITLE: SALES DRAWING MGRID 2MM DUAL ROW SMT HDR WITH PEG

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-87759-207
SHEET NO.: 4 OF 4
SIZE: A3

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