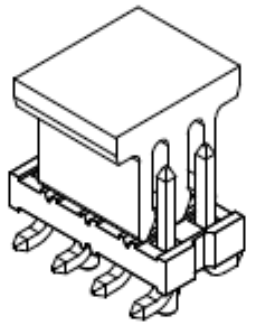
This document was generated on 05/25/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0877594876
Status: Active
Overview: milligrid
Description: 2.00mm (.079") Pitch Milli-Grid™ Header, Surface Mount, Vertical, 48 Circuits, 0.38µm (15µ") Gold (Au) Selective Plating, with Press-fit Plastic Pegs, Pick-and-Place Cap, Tube 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)	48
Circuits (maximum)	48
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	Nylon
Number of Rows	2
Orientation	Vertical
PCB Locator	Yes
PCB Retention	None
Packaging Type	Tube
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)	15
Plating min: Mating (µm)	0.38
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

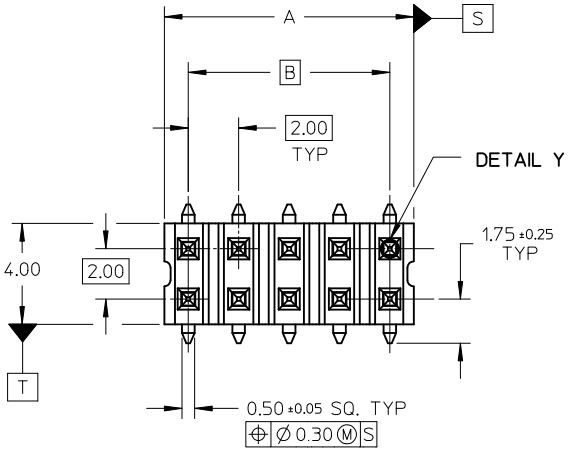
Current - Maximum per Contact	2A
Voltage - Maximum	125V

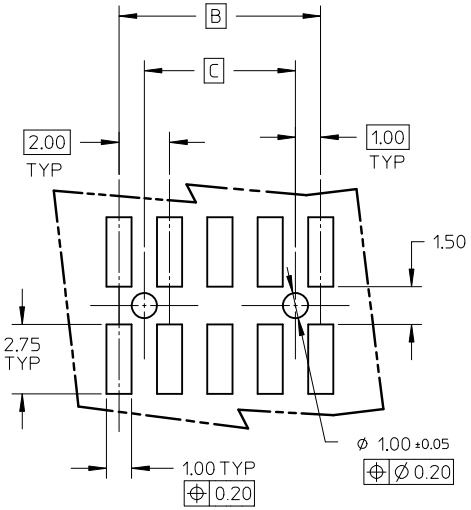
Material Info

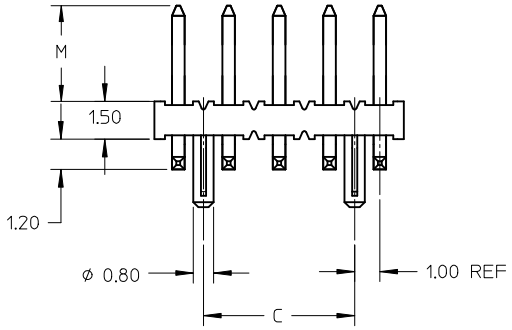
Reference - Drawing Numbers

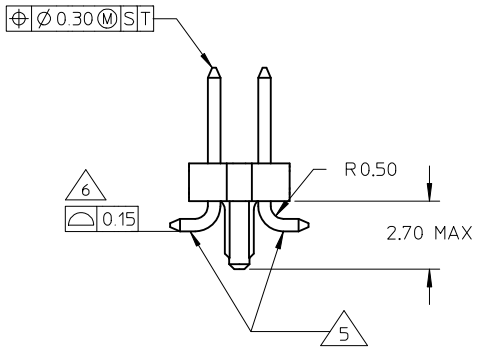
Packaging Specification	PK-89990-476
Product Specification	PS-87761-100
Sales Drawing	SD-87759-208

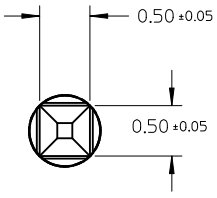
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PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION











DETAIL Y

NOTE:

1. MATERIAL:
   HSG & CAP - NYLON, GLASS-FILLED,
   UL 94V-0, COLOUR BLACK
   PIN - 0.50 SQ PHOSPHOR BRONZE
2. PLATING:
   0.38um 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.

CHG DIM M. EWR#1191 2009/12/16
EC NO: S2010-0237 2009/12/17
DRWN:ATSEE CH'KD:SKANG APPR:MLONG 2009/12/21
DESCRIPTION
REV
D3

QUALITY SYMBOLS
FA=0
FC=0
FP=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

		DATE
DRAWN BY	KSEE	2003/12/22
CHECKED BY	KCLING	2004/01/12
APPROVED BY	MLONG	2009/12/17

TITLE: CUSTOM HEADER MGRID, 2MM DUAL ROW HDR WITH PEG, SMT

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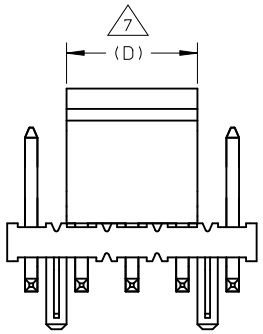
MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-87759-208
SHEET NO.: 1 OF 4
SIZE: A3

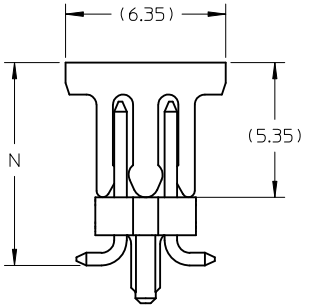
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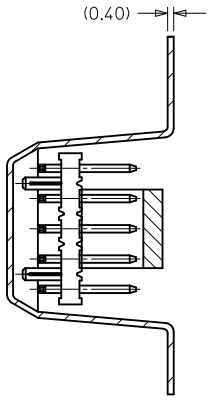
CAP TYPE	D
C1	5.20
C2	4.60

EMBOSSED TYPE "A"

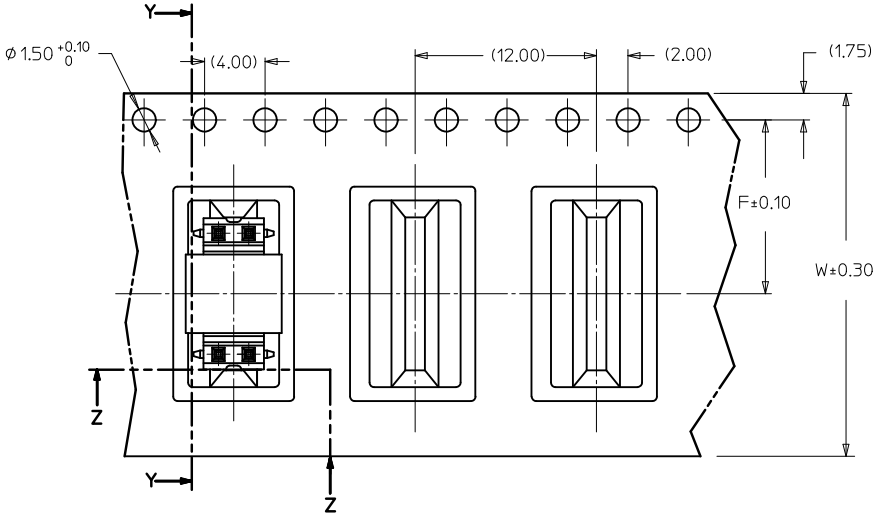
PART WITH CAP IN TAPE & REEL ORIENTATION

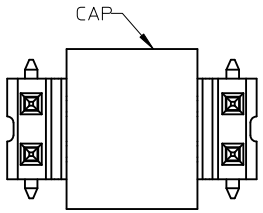


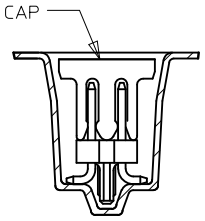




SECTION Y-Y

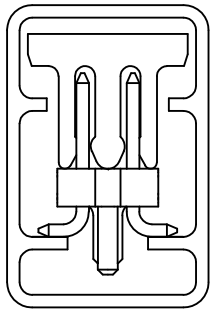






SECTION Z-Z

CUSTOMER PULL OUT DIRECTION



PART WITH CAP IN TUBE ORIENTATION

CHG DIM M. EWR#1191 2009/12/16
EC NO: S2010-0237 2009/12/17
DRWN:ATSEE CH'KD:SKANG APPR:MLONG 2009/12/21
DESCRIPTION
REV
D3

QUALITY SYMBOLS
FA=0
FC=0
FP=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: 2003/12/22
CHECKED BY: KCLING DATE: 2004/01/12
APPROVED BY: MLONG DATE: 2009/12/17

TITLE: CUSTOM HEADER MGRID, 2MM DUAL ROW HDR WITH PEG, SMT

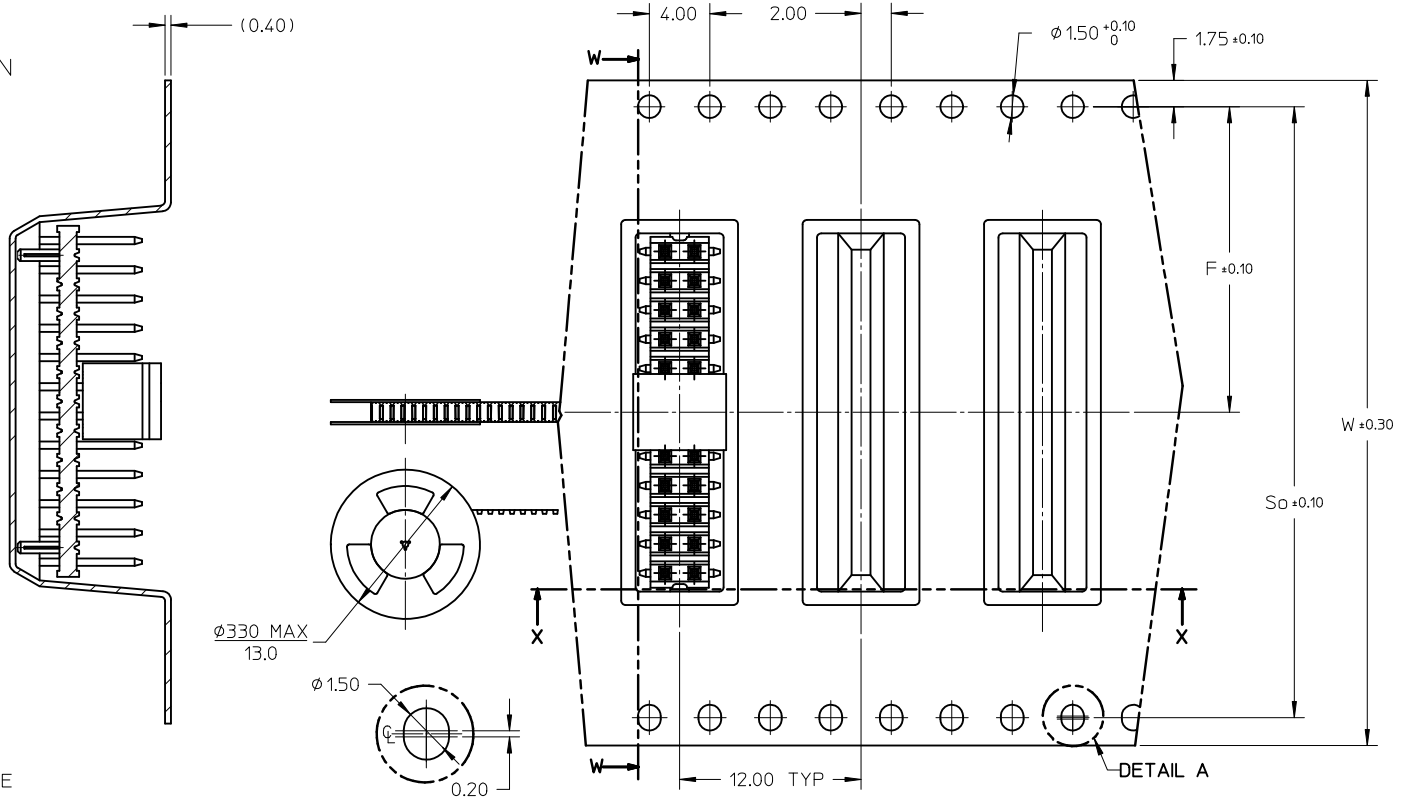
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MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-87759-208
SHEET NO.: 2 OF 4
SIZE: A3

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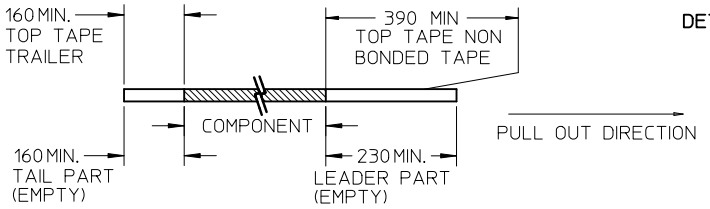
EMBOSSED TYPE "B"

PART WITH CAP IN
TAPE & REEL ORIENTATION

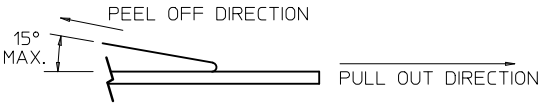


NOTES:

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.

CHG DIM M. EWR#1191	2009/12/16		
EC NO: S2010-0237	2009/12/17		
DRWN:ATSEE	2009/12/21		
CH'KD:SKANG			
APPR:MLONG			
DESCRIPTION			
REV			
D3			

QUALITY SYMBOLS
FA=0
FC=0
FP=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	SCALE	DESIGN UNITS
MM ONLY	NTS	METRIC

THIRD ANGLE PROJECTION

DRAWN BY	DATE
KSEE	2003/12/22
CHECKED BY	DATE
KCLING	2004/01/12
APPROVED BY	DATE
MLONG	2009/12/17

TITLE
CUSTOM HEADER
MGRID, 2MM DUAL ROW HDR
WITH PEG, SMT

molex MOLEX INCORPORATED

MATERIAL NO.
SEE TABLE

DOCUMENT NO.
SD-87759-208

SHEET NO.
3 OF 4

SIZE
A3

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PART NUMBER WITH CAP IN TUBE	PART NUMBER WITH CAP IN TAPE & REEL	CKT SIZE	A	B	C	M	N	F	So	W	EMBOSSED TYPE	CAP TYPE
87759-0876	87759-7626	08	7.90	6.00	4.00	3.80	8.05	11.50	-	24.00	A	C1
87759-5276	87759-7648	08	7.90	6.00	4.00	8.80	13.00	11.50	-	24.00	A	C2
87759-1076	87759-7627	10	9.90	8.00	6.00	3.80	8.05	11.50	-	24.00	A	C1
87759-1276	87759-7628	12	11.90	10.00	8.00	3.80	8.05	11.50	-	24.00	A	
87759-1476	87759-7629	14	13.90	12.00	10.00	3.80	8.05	11.50	-	24.00	A	
87759-1676	87759-7630	16	15.90	14.00	12.00	3.80	8.05	14.20	28.40	32.00	B	
87759-1876	87759-7631	18	17.90	16.00	14.00	3.80	8.05	14.20	28.40	32.00	B	
87759-2076	87759-7632	20	19.90	18.00	16.00	3.80	8.05	20.20	40.40	44.00	B	
87759-2276	87759-7633	22	21.90	20.00	18.00	3.80	8.05	20.20	40.40	44.00	B	
87759-2476	87759-7634	24	23.90	22.00	20.00	3.80	8.05	20.20	40.40	44.00	B	
87759-2676	87759-7635	26	25.90	24.00	22.00	3.80	8.05	20.20	40.40	44.00	B	
87759-2876	87759-7636	28	27.90	26.00	24.00	3.80	8.05	20.20	40.40	44.00	B	
87759-3076	87759-7637	30	29.90	28.00	26.00	3.80	8.05	20.20	40.40	44.00	B	
87759-3276	87759-7638	32	31.90	30.00	28.00	3.80	8.05	26.20	52.40	56.00	B	
87759-3476	87759-7639	34	33.90	32.00	30.00	3.80	8.05	26.20	52.40	56.00	B	
87759-3676	87759-7640	36	35.90	34.00	32.00	3.80	8.05	26.20	52.40	56.00	B	
87759-3876	87759-7641	38	37.90	36.00	34.00	3.80	8.05	26.20	52.40	56.00	B	
87759-4076	87759-7642	40	39.90	38.00	36.00	3.80	8.05	26.20	52.40	56.00	B	
87759-4276	87759-7643	42	41.90	40.00	38.00	3.80	8.05	26.20	52.40	56.00	B	
87759-4476	87759-7644	44	43.90	42.00	40.00	3.80	8.05	26.20	52.40	56.00	B	
87759-4676	87759-7645	46	45.90	44.00	42.00	3.80	8.05	34.20	68.40	72.00	B	
87759-4876	87759-7646	48	47.90	46.00	44.00	3.80	8.05	34.20	68.40	72.00	B	
87759-5076	87759-7647	50	49.90	48.00	46.00	3.80	8.05	34.20	68.40	72.00	B	

CHG DIM M. EWR#1191 2009/12/16
EC NO: S2010-0237 2009/12/17
DRWN:ATSEE CH'KD:SKANG APPR:MLONG 2009/12/21
DESCRIPTION
REV
D3

QUALITY SYMBOLS
$\sqrt{F_A}$=0
$\sqrt{F_C}$=0
$\sqrt{F_P}$=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: 2003/12/22
CHECKED BY: KCLING DATE: 2004/01/12
APPROVED BY: MLONG DATE: 2009/12/17

TITLE: CUSTOM HEADER MGRID, 2MM DUAL ROW HDR WITH PEG, SMT

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-87759-208
SHEET NO.: 4 OF 4
SIZE: A3

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