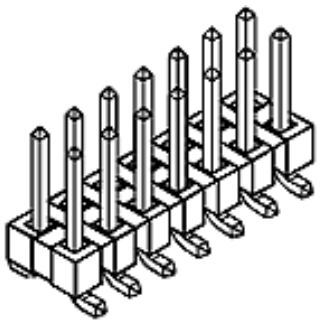
This document was generated on 05/26/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0879209346
Status: Active
Overview: milligrid
Description: 2.54mm (.100") Pitch C-Grid® Header, Surface Mount, Dual Row, Vertical, 34 Circuits, Tin (Sn) Overall Plating, without Cap, without Peg, Tube Packaging, Lead-free



Series image - Reference only

Documents:

- 3D Model
- Drawing (PDF)
- Product Specification PS-87920-019 (PDF)
- RoHS Certificate of Compliance (PDF)

Agency Certification

UL	E29179

General

Product Family	PCB Headers
Series	87920
Application	Board-to-Board, Wire-to-Board
Overview	milligrid
Product Name	C-Grid®

Physical

Breakaway	Yes
Circuits (Loaded)	34
Circuits (maximum)	34
Color - Resin	Black
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)	0.240 In
Mated Height (mm)	6.10 mm
Material - Metal	Copper Alloy
Material - Plating Mating	Tin
Material - Plating Termination	Nickel
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Vertical
PCB Locator	No
PCB Retention	None
PCB Thickness Recommended (in)	0.063 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tube
Pitch - Mating Interface (in)	0.100 In
Pitch - Mating Interface (mm)	2.54 mm
Pitch - Term. Interface (in)	0.100 In
Pitch - Term. Interface (mm)	2.54 mm
Plating min: Mating (µin)	98
Plating min: Mating (µm)	2.50
Plating min: Termination (µin)	49
Plating min: Termination (µm)	1.25
Polarized to Mating Part	No
Polarized to PCB	No
Shrouded	No
Stackable	No

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Not Reviewed
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
87920Series

Mates With
KK® PCB Receptacles like 4455. SL™ IDT Housings like 70430. KK® IDT Housings like 7720 and 70400a. C-Grid® PCB Receptacles like 90147 and 90148

Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact	3A
Voltage - Maximum	250V

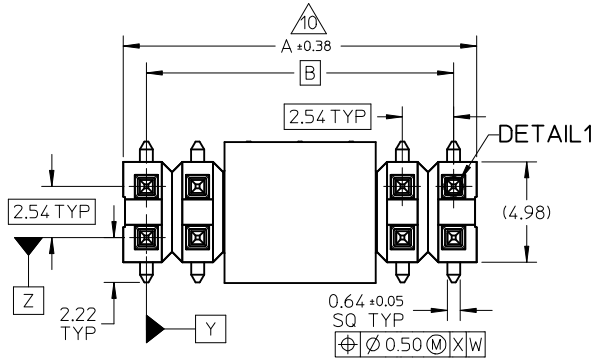
Material Info

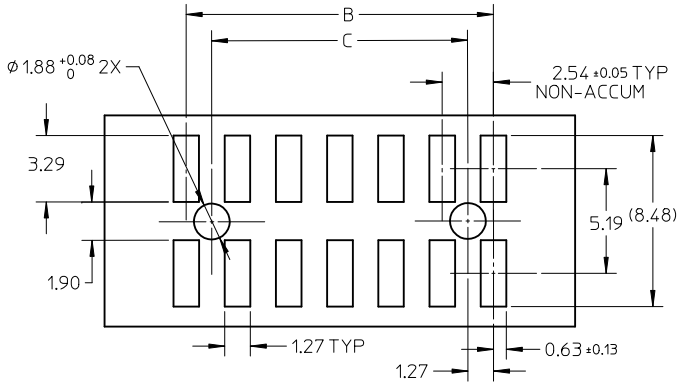
Reference - Drawing Numbers

Packaging Specification	PK-89990-478
Product Specification	PS-87920-019
Sales Drawing	SD-87920-020

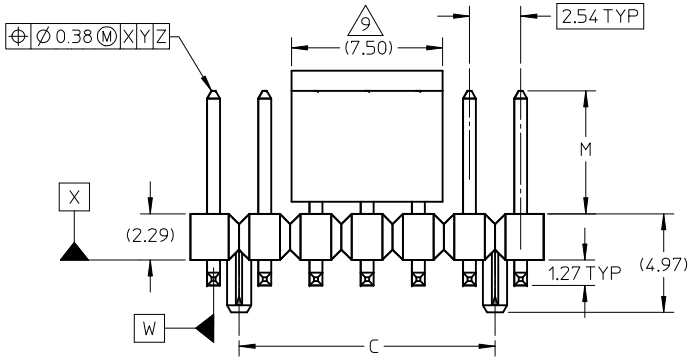
This document was generated on 05/26/2010

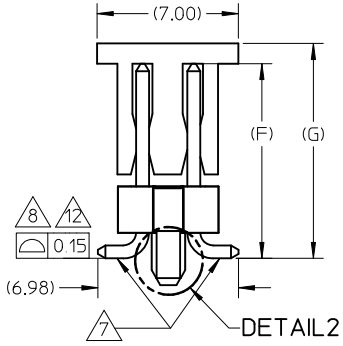
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

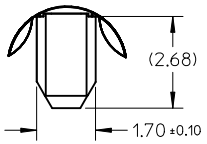


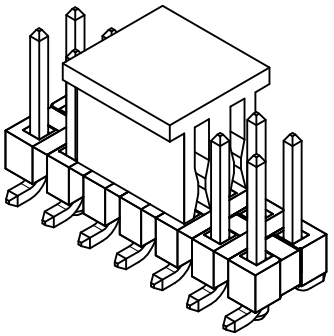


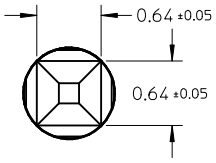
RECOMMENDED PCB LAYOUT











NOTES:

1. MATERIAL:
   HSG: LCP, GLASS-FILLED, UL94V-0, COLOR: BLACK
   CAP: NYLON, GLASS-FILLED, UL94V-0, COLOR: BLACK
   PIN: 0.64MM SQ, COPPER ALLOY
2. PLATING TYPE:
   (1) 0.38μm MIN. GOLD PLATE ON CONTACT AND
   2.00μm MIN. TIN ON SOLDERTAIL OVER
   1.25μm MIN. NICKEL OVERALL.
   (2) 0.75μm MIN. GOLD PLATE ON CONTACT AND
   2.00μm MIN. TIN ON SOLDERTAIL OVER
   1.25μm MIN. NICKEL OVERALL.
   (3) 2.50μm MIN. TIN OVERALL
   1.25μm MIN. NICKEL OVERALL
3. PACKAGING TYPE: SEE TABLE
4. PCB THICKNESS 1.60+/-0.10mm
5. PRODUCT SPECIFICATION: PS-87920-019
6. WAFER TO BE FLAT WITHIN 0.003 mm/mm
7. BEND DEPRESSION IS ACCEPTED SO LONG AS IT DOES NOT AFFECT THE OVERALL COPLANARITY OF TAIL
8. COPLANARITY IS TO BE MEASURED BY RESTING THE SOLDER TAIL ON A FLAT SURFACE
9. CAP LOCATION IS CENTERED ALONG THE MATING ENDS AS SHOWN. TOP SURFACE OF CAP TO BE FLAT FOR THE PURPOSE OF PICK & PLACE BY VACUUM SUCTION NOZZLE
10. IRREGULAR CIRCUIT CUTOFF WITHIN BREAKAWAY SECTION IS PERMISSIBLE. CUTTING OR CHIPPING OF THE MAIN BODY IS NOT ACCEPTABLE
11. PARTS ARE NOT STACKABLE ON 2.54 CENTER
12. COPLANARITY FOR SIZES UP TO 40 IS 0.15MM.
13. THE ABOVE CKT 14 IS FOR ILLUSTRATION PURPOSE ONLY
14. TUBE LENGTH IS 560MM PER STANDARD
15. CKT 4 & 6 TO BE PACKED IN BULK/TRAY PACKING
16. PACKAGING SPECIFICATION: TUBE: PK-89990-478
    TAPE & REEL : PK-89990-479

PG5.+ CONNECTOR W/VOID ORIENTATION IN T&R
EC NO: S2010-0642
DRWN:ATSEE 2010/02/01
CH'KD:SKANG 2010/02/05
APPR:MLONG 2010/02/09
DESCRIPTION
REV
D5

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: SKLIM01 DATE: 2006/02/09
CHECKED BY: PATEY DATE: 2006/02/16
APPROVED BY: MLONG DATE: 2010/02/08

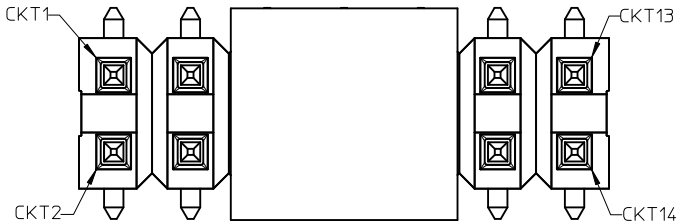
TITLE: CUSTOM HEADER 2.54MM PITCH DUAL ROW HEADER SINGLE WAFER SMT

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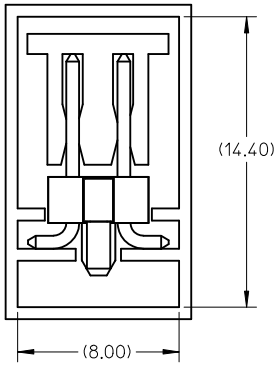
MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-87920-020
SHEET NO.: 1 OF 11
SIZE: A3

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

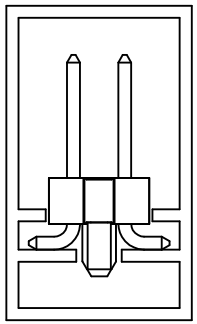
CIRCUITS POSITION CONFIGURATION



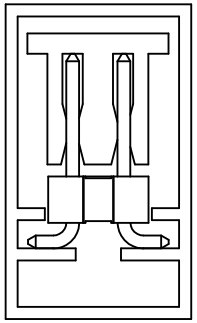
PART PACKED IN TUBE ORIENTATION



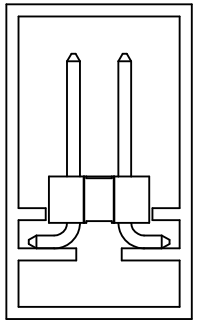
PART WITH PEGS WITH CAP IN TUBE



PART WITH PEGS WITHOUT CAP IN TUBE



PART WITHOUT PEGS WITH CAP IN TUBE



PART WITHOUT PEGS WITHOUT CAP IN TUBE

PG5.+ CONNECTOR W/VOID ORIENTATION IN T&R
EC NO: 3210-0642
DRWN:ATSEE 2010/02/01
CH'KD:SKANG 2010/02/05
APPR:MLONG 2010/02/09
DESCRIPTION
REV
D5

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	SKLIM01	2006/02/09
CHECKED BY	PATEY	2006/02/16
APPROVED BY	MLONG	2010/02/08

TITLE: CUSTOM HEADER 2.54MM PITCH DUAL ROW HEADER SINGLE WAFER SMT

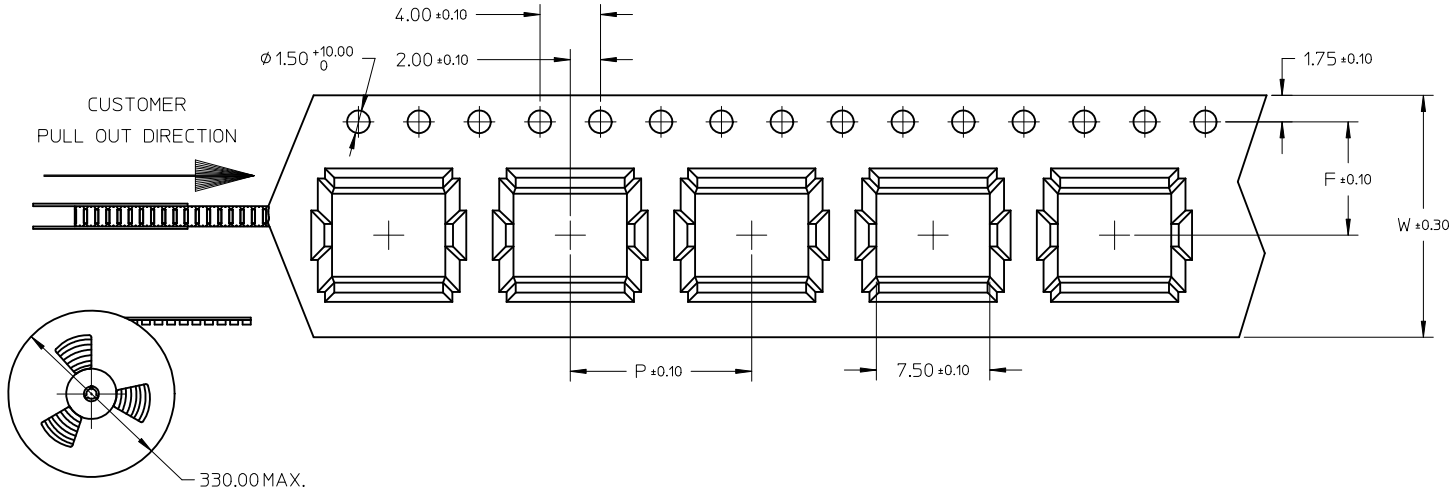
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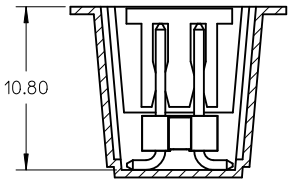
MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-87920-020
SHEET NO.: 2 OF 11
SIZE: A3

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

CKT	F	P1	W
04	7.50	12.00	16.00

THIS TYPE OF CARRIER TAPE IS FOR CKT SIZE 04 ONLY

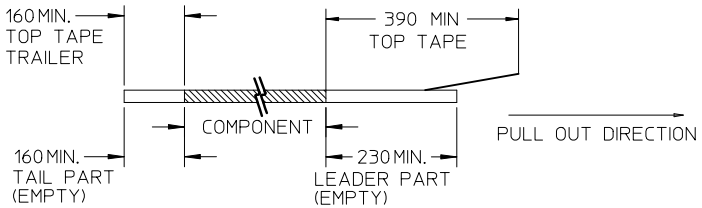




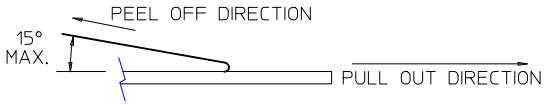
PART PACKED IN TAPE & REEL ORIENTATION

NOTES:

1. LEADER AND TRAILER TAPE



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



3. PACKAGING STANDARD IS AS PER EIA-481.
4. TAPE & REEL QUANTITY = 500 PCS/REEL
5. THE TAPE IS TREATED FOR ANTI-STATIC.

PG5.+ CONNECTOR W/VOID ORIENTATION IN T&R
EC NO: S2010-0642
DRWN:ATSEE 2010/02/01
CH'KD:SKANG 2010/02/05
APPR:MLONG 2010/02/09
DESCRIPTION
REV
D5

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	SKLIM01	2006/02/09
CHECKED BY	PATEY	2006/02/16
APPROVED BY	MLONG	2010/02/08

TITLE: CUSTOM HEADER 2.54MM PITCH DUAL ROW HEADER SINGLE WAFER SMT

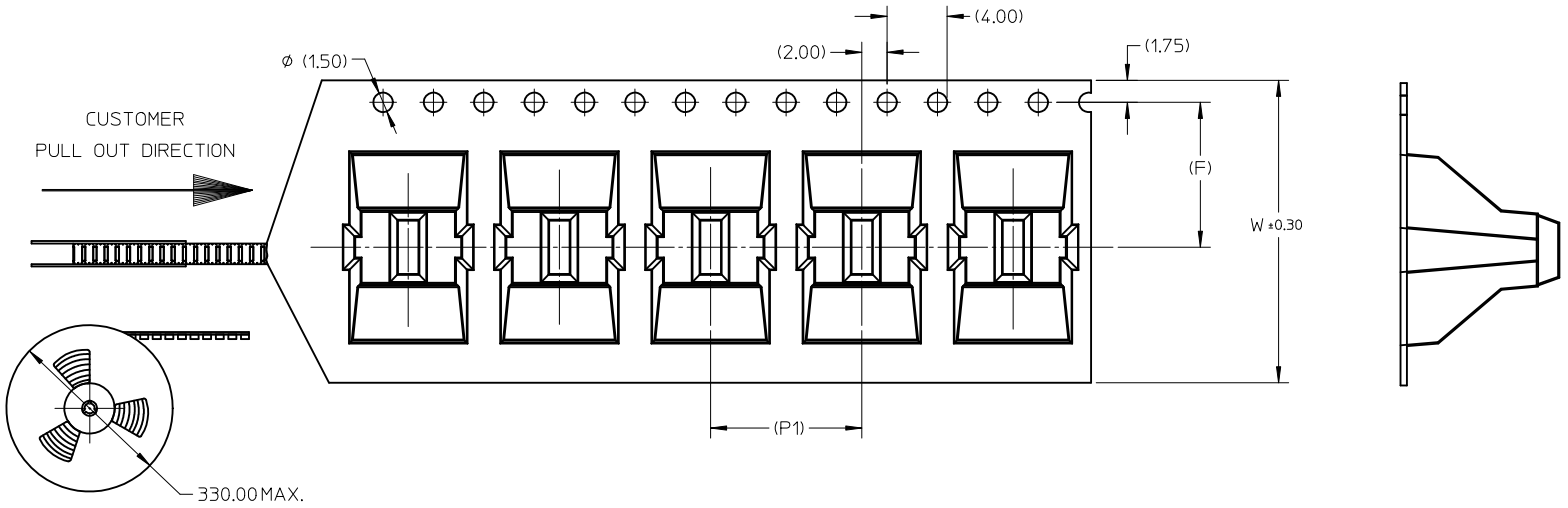
MOLEX INCORPORATED

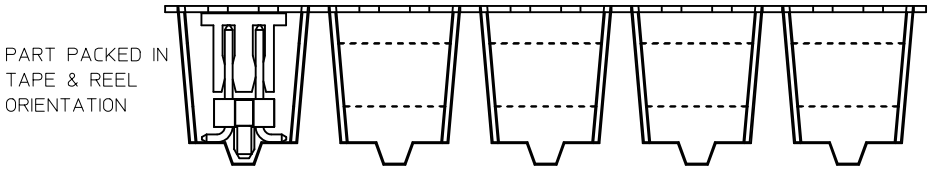
MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-87920-020
SHEET NO.: 3 OF 11
SIZE: A3

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

CKT	F	P1	W
06	11.50	12.00	24.00

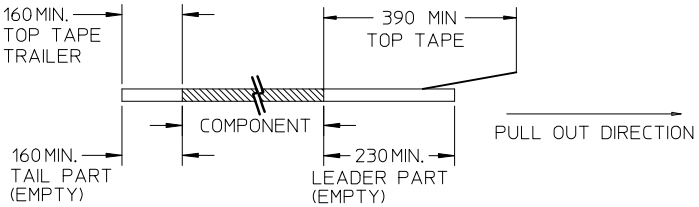
THIS TYPE OF CARRIER TAPE IS FOR CKT SIZE 06 ONLY



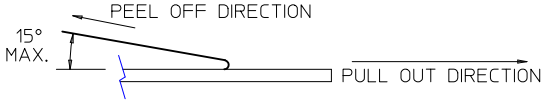


NOTES:

1. LEADER AND TRAILER TAPE



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



3. PACKAGING STANDARD IS AS PER EIA-481.
4. TAPE & REEL QUANTITY = 440PCS/REEL
5. THE TAPE IS TREATED FOR ANTI-STATIC.

PG5.+ CONNECTOR W/VOID ORIENTATION IN T&R
EC NO: S2010-0642
DRWN:ATSEE 2010/02/01
CH'KD:SKANG 2010/02/05
APPR:MLONG 2010/02/09
DESCRIPTION
REV
D5

QUALITY SYMBOLS
F_A=0
F_C=0
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

		DATE
DRAWN BY	SKLIM01	2006/02/09
CHECKED BY	PATEY	2006/02/16
APPROVED BY	MLONG	2010/02/08

TITLE: CUSTOM HEADER 2.54MM PITCH DUAL ROW HEADER SINGLE WAFER SMT

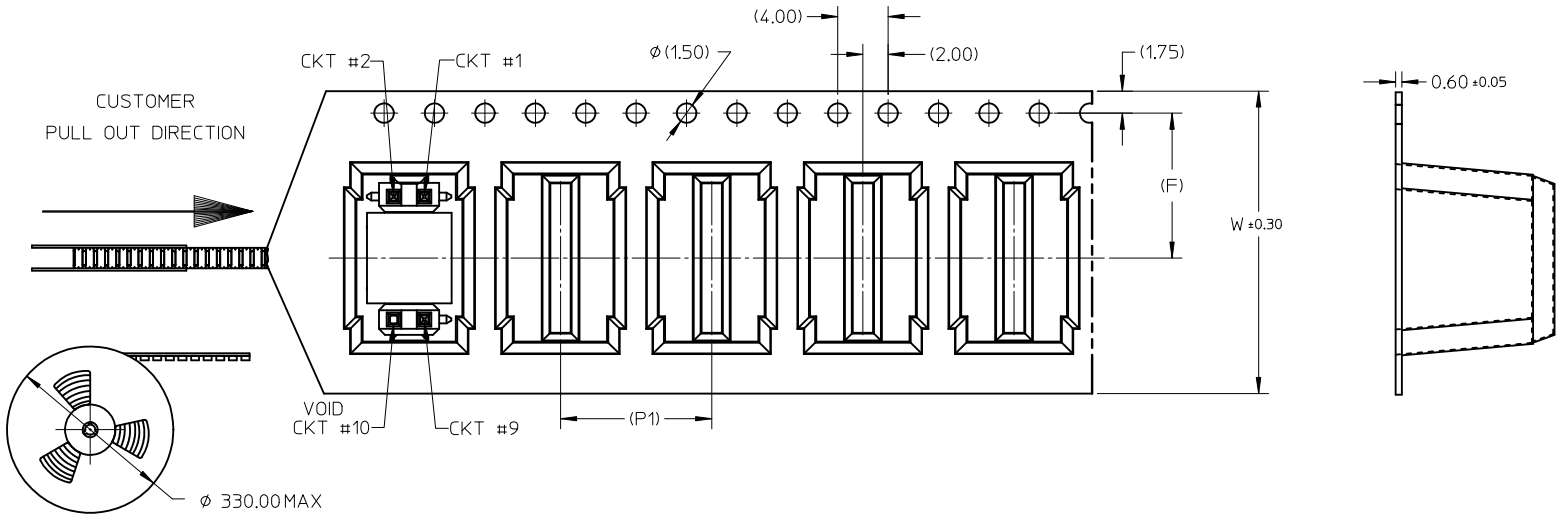
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MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-87920-020
SHEET NO.: 4 OF 11
SIZE: A3

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

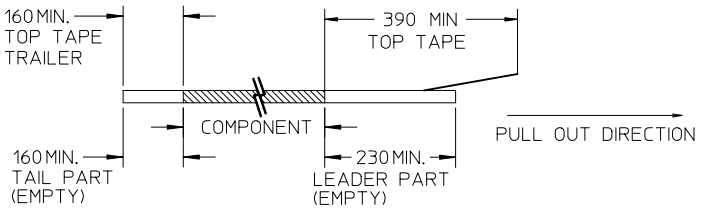
CKT	F	P1	W
08	11.50	12.00	24.00
10	11.50	12.00	24.00

THIS TYPE OF CARRIER TAPE IS FOR CKT SIZE 08 AND 10 ONLY

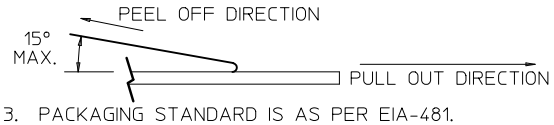


NOTES:

1. LEADER AND TRAILER TAPE



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



3. PACKAGING STANDARD IS AS PER EIA-481.
4. TAPE & REEL QUANTITY = 440PCS/REEL
5. THE TAPE IS TREATED FOR ANTI-STATIC.
6. ATTACHED ABOVE CONNECTOR IN T&R WITH
   VOID CKT#10 IS FOR ILLUSTRATION ONLY.

PG5.+ CONNECTOR W/VOID ORIENTATION IN T&R
EC NO: S2010-0642
DRWN:ATSEE 2010/02/01
CH'KD:SKANG 2010/02/05
APPR:MLONG 2010/02/09
DESCRIPTION
REV
D5

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: SKLIM01 DATE: 2006/02/09
CHECKED BY: PATEY DATE: 2006/02/16
APPROVED BY: MLONG DATE: 2010/02/08

TITLE: CUSTOM HEADER 2.54MM PITCH DUAL ROW HEADER SINGLE WAFER SMT

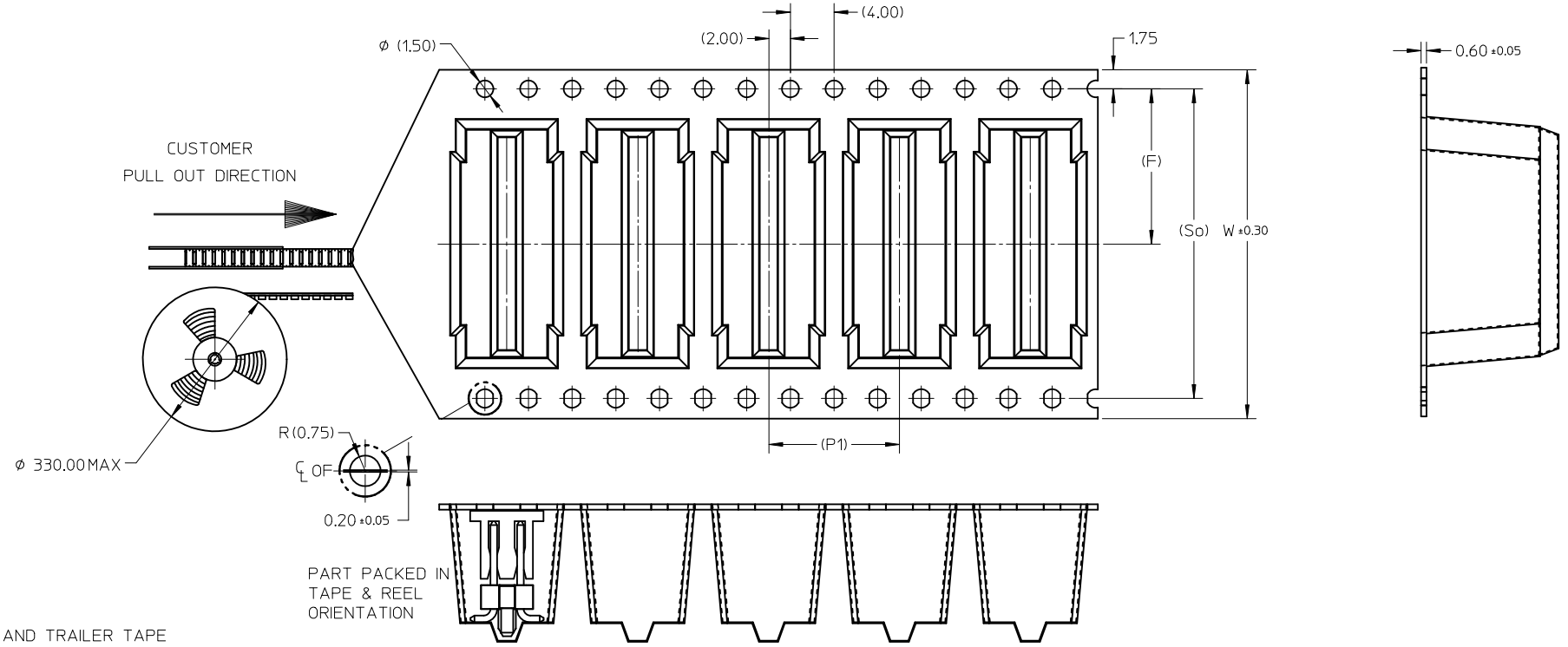
MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-87920-020
SHEET NO.: 5 OF 11
SIZE: A3

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

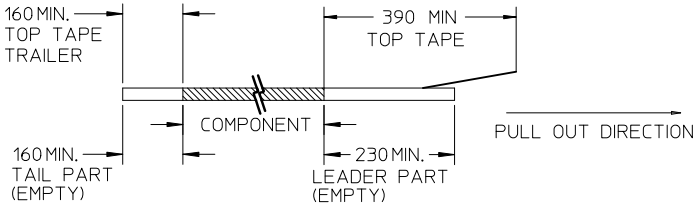
THIS TYPE OF CARRIER TAPE IS FOR CKT SIZE 12, 14, 16 AND 20

CKT	F	P1	So	W
12	14.20	12.00	28.40	32.00
14	14.20	12.00	28.40	32.00
16	14.20	12.00	28.40	32.00
20	20.20	12.00	40.40	44.00

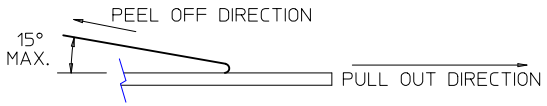


NOTES:

1. LEADER AND TRAILER TAPE



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



3. PACKAGING STANDARD IS AS PER EIA-481.
4. TAPE & REEL QUANTITY = 440PCS/REEL
5. THE TAPE IS TREATED FOR ANTI-STATIC.

DESCRIPTION	REV	DATE
PG5,+ CONNECTOR W/VOID ORIENTATION IN T&R	D5	2010/02/01
ECN NO: S2010-06442		2010/02/05
DRWN:ATSEE CHKD:SKANG APPR:MLONG		2010/02/09

QUALITY SYMBOLS
▼=0
(F/P)=0
(F/P)=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

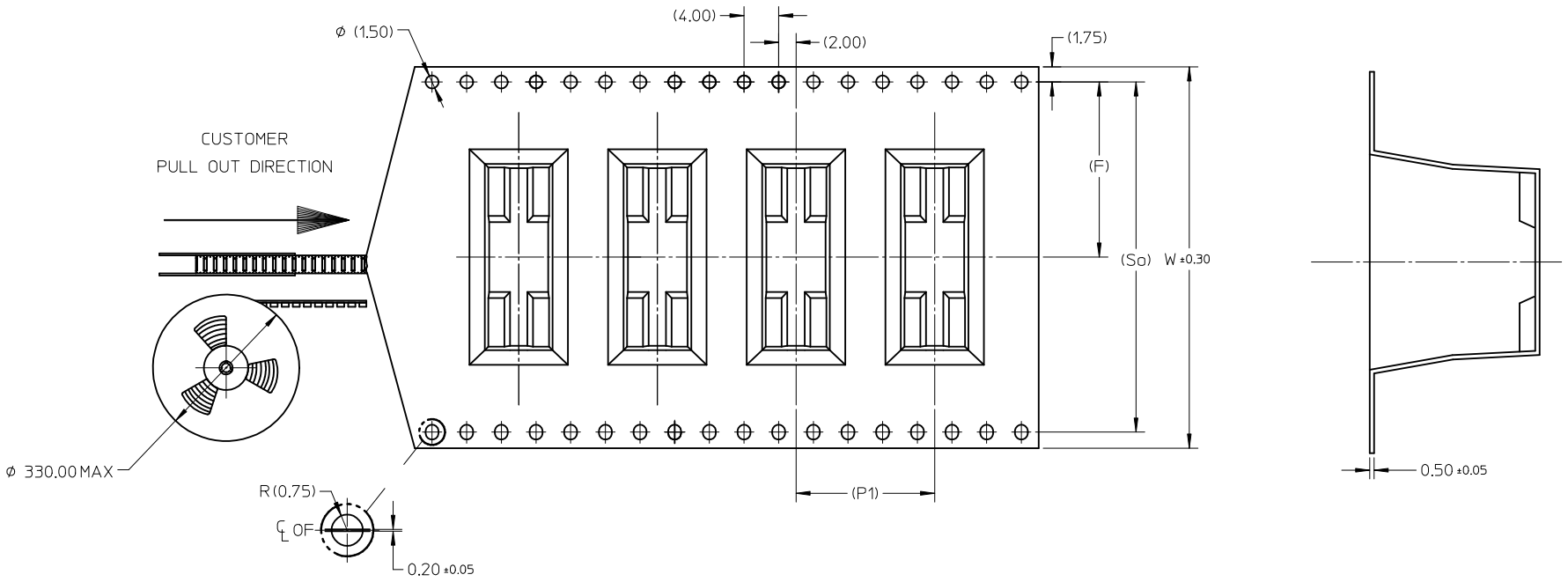
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	NTS
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	SKLIM01
DATE	2006/02/09
CHECKED BY	PATEY
DATE	2006/02/16
APPROVED BY	MLONG
DATE	2010/02/08
MATERIAL NO.	SEE TABLE
TITLE	CUSTOM HEADER 2.54MM PITCH DUAL ROW HEADER SINGLE WAFER SMT
	MOLEX INCORPORATED
DOCUMENT NO.	SD-87920-020
SHEET NO.	6 OF 11
SIZE	A3

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

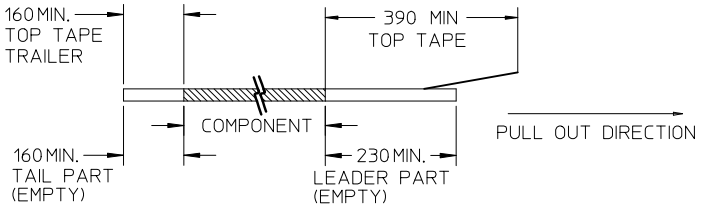
CKT	F	P1	So	W
40	34.20	16.00	68.50	72.00

THIS TYPE OF CARRIER TAPE IS FOR CKT SIZE 40

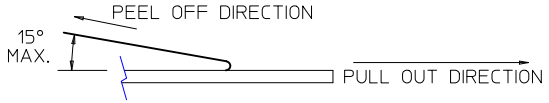


NOTES:

1. LEADER AND TRAILER TAPE



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



3. PACKAGING STANDARD IS AS PER EIA-481.
4. TAPE & REEL QUANTITY = 250PCS/REEL
5. THE TAPE IS TREATED FOR ANTI-STATIC.



PART PACKED IN
TAPE & REEL
ORIENTATION

PG5.+ CONNECTOR W/VOID ORIENTATION IN T&R
EC NO: S2010-0642
DRWN:ATSEE 2010/02/01
CH'KD:SKANG 2010/02/05
APPR:MLONG 2010/02/09
DESCRIPTION
REV
D5

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	SKLIM01	DATE 2006/02/09
CHECKED BY	PATEY	DATE 2006/02/16
APPROVED BY	MLONG	DATE 2010/02/08

TITLE: CUSTOM HEADER 2.54MM PITCH DUAL ROW HEADER SINGLE WAFER SMT

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-87920-020
SHEET NO.: 7 OF 11
SIZE: A3

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

PART NUMBER IN PACKAGING OPTION			CKT SIZE	PEG	PLATE OPT.	VOID CKT	DIMENSION					
TAPE & REEL WITH CAP	TUBE WITHOUT CAP	TUBE WITH CAP					A	B	C	F	G	M
87920-9111	⚠1 87920-9044	-------	4	N	1	--	5.08	2.54	-----	9.66	10.66	6.10
87920-9211	⚠1 87920-9045	-------	4	N	2	--	5.08	2.54	-----	9.66	10.66	6.10
87920-9311	⚠1 87920-9046	-------	4	N	3	--	5.08	2.54	-----	9.66	10.66	6.10
87920-9112	⚠1 87920-9064	-------	6	N	1	--	7.62	5.08	-----	9.66	10.66	6.10
87920-9212	⚠1 87920-9065	-------	6	N	2	--	7.62	5.08	-----	9.66	10.66	6.10
87920-9312	⚠1 87920-9066	-------	6	N	3	--	7.62	5.08	-----	9.66	10.66	6.10
87920-9113	87920-9084	87920-9087	8	N	1	--	10.16	7.62	-----	9.66	10.66	6.10
87920-9213	87920-9085	87920-9088	8	N	2	--	10.16	7.62	-----	9.66	10.66	6.10
87920-9313	87920-9086	87920-9089	8	N	3	--	10.16	7.62	-----	9.66	10.66	6.10
87920-9114	87920-9104	87920-9107	10	N	1	--	12.70	10.16	-----	9.66	10.66	6.10
87920-9214	87920-9105	87920-9108	10	N	2	--	12.70	10.16	-----	9.66	10.66	6.10
87920-9314	87920-9106	87920-9109	10	N	3	--	12.70	10.16	-----	9.66	10.66	6.10
87920-1007	------	------	10	N	1	10	12.70	10.16	-----	9.66	10.66	6.10

PART NUMBER IN PACKAGING OPTION			CKT SIZE	PEG	PLATE OPT.	DIMENSION					
TAPE & REEL WITH CAP	TUBE WITHOUT CAP	TUBE WITH CAP				A	B	C	F	G	M
-------	-------	-------	---	---	---	----	----	----	----	----	----
-------	-------	-------	---	---	---	----	----	----	----	----	----
-------	⚠1 87920-9047	-------	4	Y	3	5.08	2.54	-----	9.66	10.66	6.10
-------	-------	-------	---	---	---	----	----	----	----	----	----
-------	-------	-------	---	---	---	----	----	----	----	----	----
-------	-------	-------	---	---	---	----	----	----	----	----	----
87920-8113	87920-8084	87920-8087	8	Y	1	10.16	7.62	5.08	9.66	10.66	6.10
87920-8213	87920-8085	87920-8088	8	Y	2	10.16	7.62	5.08	9.66	10.66	6.10
87920-8313	87920-8086	87920-8089	8	Y	3	10.16	7.62	5.08	9.66	10.66	6.10
87920-8114	87920-8104	87920-8107	10	Y	1	12.70	10.16	7.62	9.66	10.66	6.10
87920-8214	87920-8105	87920-8108	10	Y	2	12.70	10.16	7.62	9.66	10.66	6.10
87920-8314	87920-8106	87920-8109	10	Y	3	12.70	10.16	7.62	9.66	10.66	6.10

⚠1 PART TO BE PACKED IN BULK/TRAY PACKAGING.

PG5.+ CONNECTOR W/VOID ORIENTATION IN T&R
EC NO: S2010-0642
DRWN:ATSEE 2010/02/01
CH'KD:SKANG 2010/02/05
APPR:MLONG 2010/02/09
DESCRIPTION
REV
D5

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	DATE
SKLIM01	2006/02/09
CHECKED BY	DATE
PATEY	2006/02/16
APPROVED BY	DATE
MLONG	2010/02/08

TITLE: CUSTOM HEADER 2.54MM PITCH DUAL ROW HEADER SINGLE WAFER SMT

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-87920-020
SHEET NO.: 8 OF 11
SIZE: A3

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

PART NUMBER IN PACKAGING OPTION			CKT SIZE	PEG	PLATE OPT.	DIMENSION					
TAPE & REEL WITH CAP	TUBE WITHOUT CAP	TUBE WITH CAP				A	B	C	F	G	M
89720-9119	87920-9124	87920-9127	12	N	1	15.24	12.70	-----	9.66	10.66	6.10
-------	87920-9125	87920-9128	12	N	2	15.24	12.70	-----	9.66	10.66	6.10
-------	87920-9126	87920-9129	12	N	3	15.24	12.70	-----	9.66	10.66	6.10
87920-9115	87920-9144	87920-9147	14	N	1	17.78	15.24	-----	9.66	10.66	6.10
87920-9215	87920-9145	87920-9148	14	N	2	17.78	15.24	-----	9.66	10.66	6.10
87920-9315	87920-9146	87920-0014	14	N	3	17.78	15.24	-----	9.66	10.66	6.10
87920-9116	87920-9164	87920-9167	16	N	1	20.32	17.78	-----	9.66	10.66	6.10
87920-9216	87920-9165	87920-9168	16	N	2	20.32	17.78	-----	9.66	10.66	6.10
87920-9316	87920-9166	87920-9169	16	N	3	20.32	17.78	-----	9.66	10.66	6.10
-------	87920-9184	87920-9187	18	N	1	22.86	20.32	-----	9.66	10.66	6.10
-------	87920-9185	87920-9188	18	N	2	22.86	20.32	-----	9.66	10.66	6.10
-------	87920-9186	87920-9189	18	N	3	22.86	20.32	-----	9.66	10.66	6.10
87920-9117	87920-9204	87920-9207	20	N	1	25.40	22.86	-----	9.66	10.66	6.10
87920-9217	87920-9205	87920-9208	20	N	2	25.40	22.86	-----	9.66	10.66	6.10
87920-9317	87920-9206	87920-9209	20	N	3	25.40	22.86	-----	9.66	10.66	6.10

PART NUMBER IN PACKAGING OPTION			CKT SIZE	PEG	PLATE OPT.	DIMENSION					
TAPE & REEL WITH CAP	TUBE WITHOUT CAP	TUBE WITH CAP				A	B	C	F	G	M
-------	87920-8124	87920-8127	12	Y	1	15.24	12.70	10.16	9.66	10.66	6.10
-------	87920-8125	87920-8128	12	Y	2	15.24	12.70	10.16	9.66	10.66	6.10
-------	87920-8126	87920-8129	12	Y	3	15.24	12.70	10.16	9.66	10.66	6.10
87920-8115	87920-8144	87920-8147	14	Y	1	17.78	15.24	12.70	9.66	10.66	6.10
87920-8215	87920-8145	87920-8148	14	Y	2	17.78	15.24	12.70	9.66	10.66	6.10
87920-8315	87920-8146	87920-8149	14	Y	3	17.78	15.24	12.70	9.66	10.66	6.10
87920-8116	87920-8164	87920-8167	16	Y	1	20.32	17.78	15.24	9.66	10.66	6.10
87920-8216	87920-8165	87920-8168	16	Y	2	20.32	17.78	15.24	9.66	10.66	6.10
87920-8316	87920-8166	87920-8169	16	Y	3	20.32	17.78	15.24	9.66	10.66	6.10
-------	87920-8184	87920-8187	18	Y	1	22.86	20.32	17.78	9.66	10.66	6.10
-------	87920-8185	87920-8188	18	Y	2	22.86	20.32	17.78	9.66	10.66	6.10
-------	87920-8186	87920-8189	18	Y	3	22.86	20.32	17.78	9.66	10.66	6.10
87920-8117	87920-8204	87920-8207	20	Y	1	25.40	22.86	20.32	9.66	10.66	6.10
87920-8217	87920-8205	87920-8208	20	Y	2	25.40	22.86	20.32	9.66	10.66	6.10
87920-8317	87920-8206	87920-8209	20	Y	3	25.40	22.86	20.32	9.66	10.66	6.10

PG5.+ CONNECTOR W/VOID ORIENTATION IN T&R
EC NO: S2010-0642
DRWN:ATSEE 2010/02/01
CH'KD:SKANG 2010/02/05
APPR:MLONG 2010/02/09
DESCRIPTION
REV
D5

QUALITY SYMBOLS
$\overline{FA}$=0
$\overline{FC}$=0
$\overline{FB}$=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: SKLIM01 DATE: 2006/02/09
CHECKED BY: PATEY DATE: 2006/02/16
APPROVED BY: MLONG DATE: 2010/02/08
MATERIAL NO.: SEE TABLE

TITLE: CUSTOM HEADER 2.54MM PITCH DUAL ROW HEADER SINGLE WAFER SMT

MOLEX INCORPORATED

DOCUMENT NO.: SD-87920-020
SHEET NO.: 9 OF 11

SIZE: A3

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

PART NUMBER IN PACKAGING OPTION			CKT SIZE	PEG	PLATE OPT.	DIMENSION					
TAPE & REEL WITH CAP	TUBE WITHOUT CAP	TUBE WITH CAP				A	B	C	F	G	M
-------	87920-9224	87920-9227	22	N	1	27.94	25.40	-----	9.66	10.66	6.10
-------	87920-9225	87920-9228	22	N	2	27.94	25.40	-----	9.66	10.66	6.10
-------	87920-9226	87920-9229	22	N	3	27.94	25.40	-----	9.66	10.66	6.10
-------	87920-9244	87920-9247	24	N	1	30.48	27.94	-----	9.66	10.66	6.10
-------	87920-9245	87920-9248	24	N	2	30.48	27.94	-----	9.66	10.66	6.10
-------	87920-9246	87920-9249	24	N	3	30.48	27.94	-----	9.66	10.66	6.10
-------	87920-9264	87920-9267	26	N	1	33.02	30.48	-----	9.66	10.66	6.10
-------	87920-9265	87920-9268	26	N	2	33.02	30.48	-----	9.66	10.66	6.10
-------	87920-9266	87920-9269	26	N	3	33.02	30.48	-----	9.66	10.66	6.10
-------	87920-9284	87920-9287	28	N	1	35.56	33.02	-----	9.66	10.66	6.10
-------	87920-9285	87920-9288	28	N	2	35.56	33.02	-----	9.66	10.66	6.10
-------	87920-9286	87920-9289	28	N	3	35.56	33.02	-----	9.66	10.66	6.10
-------	87920-9304	87920-9307	30	N	1	38.10	35.56	-----	9.66	10.66	6.10
-------	87920-9305	87920-9308	30	N	2	38.10	35.56	-----	9.66	10.66	6.10
-------	87920-9306	87920-9309	30	N	3	38.10	35.56	-----	9.66	10.66	6.10

PART NUMBER IN PACKAGING OPTION			CKT SIZE	PEG	PLATE OPT.	DIMENSION					
TAPE & REEL WITH CAP	TUBE WITHOUT CAP	TUBE WITH CAP				A	B	C	F	G	M
-------	87920-8224	87920-8227	22	Y	1	27.94	25.40	22.86	9.66	10.66	6.10
-------	87920-8225	87920-8228	22	Y	2	27.94	25.40	22.86	9.66	10.66	6.10
-------	87920-8226	87920-8229	22	Y	3	27.94	25.40	22.86	9.66	10.66	6.10
-------	87920-8244	87920-8247	24	Y	1	30.48	27.94	25.40	9.66	10.66	6.10
-------	87920-8245	87920-8248	24	Y	2	30.48	27.94	25.40	9.66	10.66	6.10
-------	87920-8246	87920-8249	24	Y	3	30.48	27.94	25.40	9.66	10.66	6.10
-------	87920-8264	87920-8267	26	Y	1	33.02	30.48	27.94	9.66	10.66	6.10
-------	87920-8265	87920-8268	26	Y	2	33.02	30.48	27.94	9.66	10.66	6.10
-------	87920-8266	87920-8269	26	Y	3	33.02	30.48	27.94	9.66	10.66	6.10
-------	87920-8284	87920-8287	28	Y	1	35.56	33.02	30.48	9.66	10.66	6.10
-------	87920-8285	87920-8288	28	Y	2	35.56	33.02	30.48	9.66	10.66	6.10
-------	87920-8286	87920-8289	28	Y	3	35.56	33.02	30.48	9.66	10.66	6.10
-------	87920-8304	87920-8307	30	Y	1	38.10	35.56	33.02	9.66	10.66	6.10
-------	87920-8305	87920-8308	30	Y	2	38.10	35.56	33.02	9.66	10.66	6.10
-------	87920-8306	87920-8309	30	Y	3	38.10	35.56	33.02	9.66	10.66	6.10

PG5.+ CONNECTOR W/VOID ORIENTATION IN T&R
EC NO: S2010-0642
DRWN:ATSEE 2010/02/01
CH'KD:SKANG 2010/02/05
APPR:MLONG 2010/02/09
DESCRIPTION
REV
D5

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: SKLIM01 DATE: 2006/02/09
CHECKED BY: PATEY DATE: 2006/02/16
APPROVED BY: MLONG DATE: 2010/02/08
MATERIAL NO.: SEE TABLE

TITLE
CUSTOM HEADER
2.54MM PITCH DUAL ROW
HEADER SINGLE WAFER SMT

MOLEX INCORPORATED

DOCUMENT NO.: SD-87920-020
SHEET NO.: 10 OF 11

SIZE A3

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

PART NUMBER IN PACKAGING OPTION			CKT SIZE	PEG	PLATE OPT.	DIMENSION					
TAPE & REEL WITH CAP	TUBE WITHOUT CAP	TUBE WITH CAP				A	B	C	F	G	M
--------	87920-9324	87920-9327	32	N	1	40.64	38.10	-----	9.66	10.66	6.10
--------	87920-9325	87920-9328	32	N	2	40.64	38.10	-----	9.66	10.66	6.10
--------	87920-9326	87920-9329	32	N	3	40.64	38.10	-----	9.66	10.66	6.10
--------	87920-9344	87920-9347	34	N	1	43.18	40.64	-----	9.66	10.66	6.10
--------	87920-9345	87920-9348	34	N	2	43.18	40.64	-----	9.66	10.66	6.10
--------	87920-9346	87920-9349	34	N	3	43.18	40.64	-----	9.66	10.66	6.10
--------	87920-9364	87920-9367	36	N	1	45.72	43.18	-----	9.66	10.66	6.10
--------	87920-9365	87920-9368	36	N	2	45.72	43.18	-----	9.66	10.66	6.10
--------	87920-9366	87920-9369	36	N	3	45.72	43.18	-----	9.66	10.66	6.10
--------	87920-9384	87920-9387	38	N	1	48.26	45.72	-----	9.66	10.66	6.10
--------	87920-9385	87920-9388	38	N	2	48.26	45.72	-----	9.66	10.66	6.10
--------	87920-9386	87920-9389	38	N	3	48.26	45.72	-----	9.66	10.66	6.10
87920-9118	87920-9404	87920-9407	40	N	1	50.80	48.26	-----	9.66	10.66	6.10
87920-9218	87920-9405	87920-9408	40	N	2	50.80	48.26	-----	9.66	10.66	6.10
87920-9318	87920-9406	87920-9409	40	N	3	50.80	48.26	-----	9.66	10.66	6.10

PART NUMBER IN PACKAGING OPTION			CKT SIZE	PEG	PLATE OPT.	DIMENSION					
TAPE & REEL WITH CAP	TUBE WITHOUT CAP	TUBE WITH CAP				A	B	C	F	G	M
--------	87920-8324	87920-8327	32	Y	1	40.64	38.10	35.56	9.66	10.66	6.10
--------	87920-8325	87920-8328	32	Y	2	40.64	38.10	35.56	9.66	10.66	6.10
--------	87920-8326	87920-8329	32	Y	3	40.64	38.10	35.56	9.66	10.66	6.10
--------	87920-8344	87920-8347	34	Y	1	43.18	40.64	38.10	9.66	10.66	6.10
--------	87920-8345	87920-8348	34	Y	2	43.18	40.64	38.10	9.66	10.66	6.10
--------	87920-8346	87920-8349	34	Y	3	43.18	40.64	38.10	9.66	10.66	6.10
--------	87920-8364	87920-8367	36	Y	1	45.72	43.18	40.64	9.66	10.66	6.10
--------	87920-8365	87920-8368	36	Y	2	45.72	43.18	40.64	9.66	10.66	6.10
--------	87920-8366	87920-8369	36	Y	3	45.72	43.18	40.64	9.66	10.66	6.10
--------	87920-8384	87920-8387	38	Y	1	48.26	45.72	43.18	9.66	10.66	6.10
--------	87920-8385	87920-8388	38	Y	2	48.26	45.72	43.18	9.66	10.66	6.10
--------	87920-8386	87920-8389	38	Y	3	48.26	45.72	43.18	9.66	10.66	6.10
87920-8118	87920-8404	87920-8407	40	Y	1	50.80	48.26	45.72	9.66	10.66	6.10
87920-8218	87920-8405	87920-8408	40	Y	2	50.80	48.26	45.72	9.66	10.66	6.10
87920-8318	87920-8406	87920-8409	40	Y	3	50.80	48.26	45.72	9.66	10.66	6.10

PG5.+ CONNECTOR W/VOID ORIENTATION IN T&R
EC NO: S2010-0642
DRWN:ATSEE 2010/02/01
CH'KD:SKANG 2010/02/05
APPR:MLONG 2010/02/09
DESCRIPTION
REV
D5

QUALITY SYMBOLS
$\boxed{F_A}$=0
$\boxed{F_C}$=0
$\boxed{F_P}$=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: SKLIM01 DATE: 2006/02/09
CHECKED BY: PATEY DATE: 2006/02/16
APPROVED BY: MLONG DATE: 2010/02/08
MATERIAL NO.: SEE TABLE

TITLE
CUSTOM HEADER
2.54MM PITCH DUAL ROW
HEADER SINGLE WAFER SMT

MOLEX INCORPORATED

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