

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0877592083](#)
Status: **Active**
Overview: [milligrid](#)
Description: 2.00mm (.079") Pitch Milli-Grid™ Header, Surface Mount, Vertical, 20 Circuits, 2.54μm (100μ") Tin (Sn) Plating, without Peg, Embossed Tape onReel, Lead-free

Documents:

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-87761-100 \(PDF\)](#)

Agency Certification

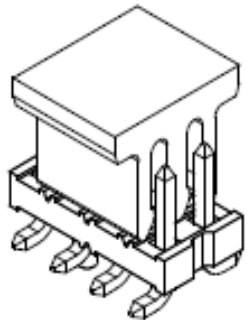
UL E29179

General

Product Family PCB Headers
Series [87759](#)
Application Board-to-Board
Overview [milligrid](#)
Product Name Milli-Grid™

Physical

Breakaway Yes
Circuits (Loaded) 20
Circuits (maximum) 20
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) 0.126 In
Mated Height (mm) 3.20 mm
Material - Metal Copper Alloy
Material - Plating Mating Tin
Material - Plating Termination Tin
Material - Resin Nylon
Number of Rows 2
Orientation Vertical
PCB Locator No
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) 100
Plating min: Mating (μm) 2.54
Plating min: Termination (μin) 50
Plating min: Termination (μm) 1.27
Polarized to Mating Part No
Polarized to PCB No
Robotic Placement Pick and Place Cap
Shrouded No
Stackable No
Temperature Range - Operating -55°C to +105°C



Series

image - Reference only

EU RoHS

**ELV and RoHS
Compliant**
**REACH SVHC
Not Reviewed**
**Halogen-Free
Status**

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-87759-277

This document was generated on 05/25/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

10 9 8 7 6 5 4 3 2 1

F

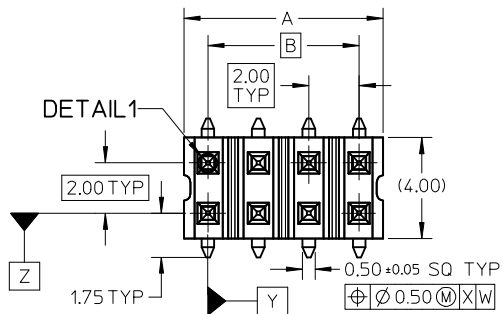
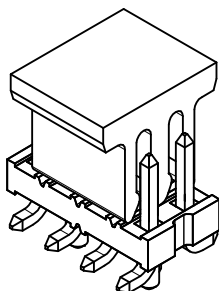
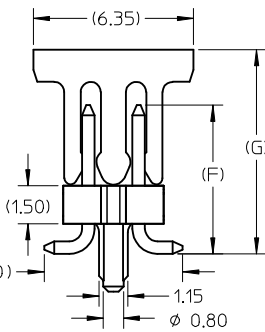
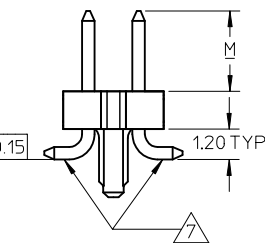
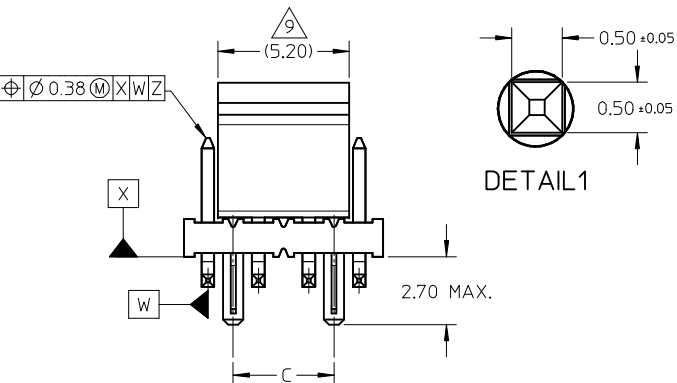
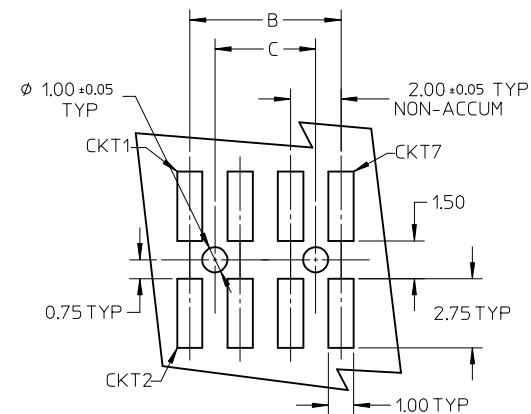
E

D

C

B

A



NOTES:

1. MATERIAL:

HOUSING: NYLON, GLASS-FILLED, UL94V-0,

COLOR: BLACK

PIN: 0.50MM SQ, COPPER ALLOY

2. PLATING FINISH:

1) 15µm MIN GOLD PLATE IN SELECTED AREA AND

80µm MIN TIN ON SOLDER TAIL OVER

50µm MIN NICKEL UNDERPLATE OVERALL.

2) 30µm MIN GOLD PLATE IN SELECTED AREA AND

80µm MIN TIN ON SOLDER TAIL OVER

50µm MIN NICKEL UNDERPLATE OVERALL.

3) 100µm MIN TIN OVERALL

50µm MIN NICKEL UNDERPLATE OVERALL.

4) 2-10µm MIN GOLD OVER 50µm MIN NICKEL UNDERPLATE OVERALL.

3. PACKAGING: SEE TABLE

4. RECOMMENDED PCB THICKNESS: 1.60±0.10mm

5. PRODUCT SPECIFICATION: PS-87761-100

6. WAFER TO BE FLAT WITHIN 0.003mm/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. CKT 4 & 6 IS CUT FROM CKT 8 & 12 RESPECTIVELY.

ROUGH EDGES ARE EXPECTED ALONG THE CUTTING EDGES

11. THE ABOVE 8 CKTS SHOWN IS FOR ILLUSTRATION ONLY.

12. TUBE LENGTH : 560mm REF.

9

8

7

6

5

4

3

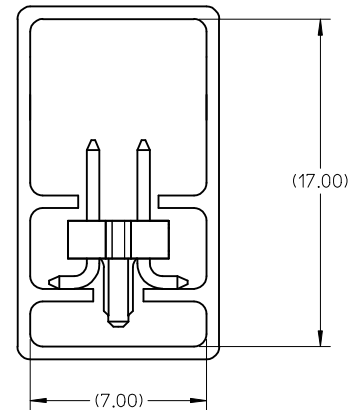
2

1

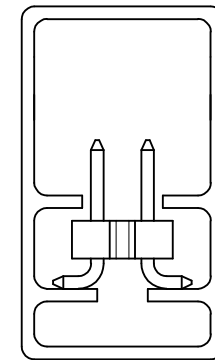
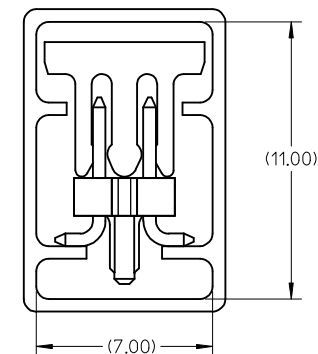
ADD 87759-1611, 1612, 1613 EC NO: S2009-0622 DRWN:ATSEE 2009/03/19 CHKD:SKANG 2009/03/24 APPR:MLONG 2009/03/24 REV B1	DESCRIPTION	QUALITY SYMBOLS ▽=0 ◇=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY SKLIM01	DATE 2006/03/23	TITLE CUSTOM HEADER 2.00MM PITCH DUAL ROW HDR, SINGLE WAFER, SMT				
			4 PLACES	± ---	± ---	CHECKED BY PATEY	DATE 2006/03/29					
			3 PLACES	± ---	± ---	APPROVED BY PATEY	DATE 2006/03/29	MOLEX INCORPORATED				
			2 PLACES	± 0.2	± ---	MATERIAL NO. SEE TABLE	DOCUMENT NO. SD-87759-277					
			1 PLACE	± ---	± ---	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

10 9 8 7 6 5 4 3 2 1

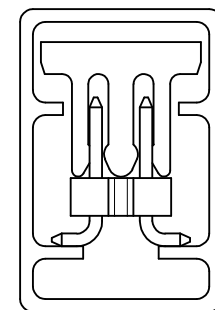
PARTS PACK IN
TUBE ORIENTATION



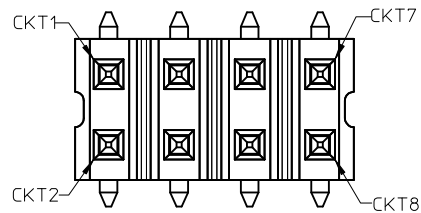
PART WITHOUT CAP IN TUBE
(PLS REFER TO PK SPEC: PK-89990-475)



PART WITH CAP IN TUBE
(PLS REFER TO PK SPEC: PK-89990-476)



CIRCUITS POSITION
CONFIGURATION

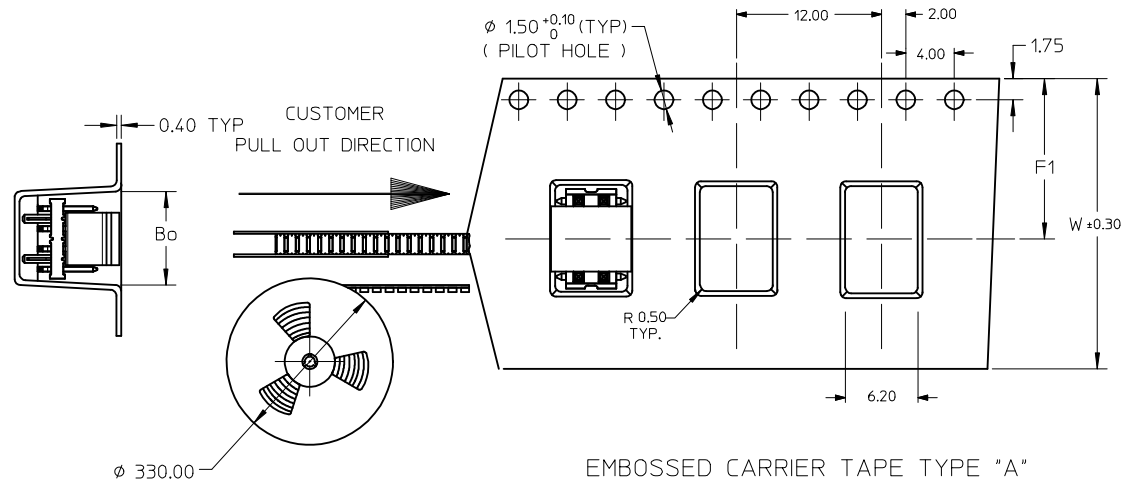


ADD 87759-1611, 1612, 1613 EC NO: S2009-0622 DRWN:ATSEE 2009/03/19 CHKD:SKANG 2009/03/24 APPR:MLONG 2009/03/24 B1	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ◇=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION					
				mm	INCH	DRAWN BY SKLIM01	DATE 2006/03/23	TITLE CUSTOM HEADER 2.00MM PITCH DUAL ROW HDR, SINGLE WAFER, SMT						
			4 PLACES	± ---	± ---	CHECKED BY PATEY	DATE 2006/03/29							
			3 PLACES	± ---	± ---	APPROVED BY PATEY		DATE 2006/03/29		MOLEX INCORPORATED				
			2 PLACES	± 0.2	± ---									
			1 PLACE	± ---	± ---	MATERIAL NO.		DOCUMENT NO.		SHEET NO.				
			ANGULAR ± 3 °			SEE TABLE		SD-87759-277		2 OF 12				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

9 8 7 6 5 4 3 2 1

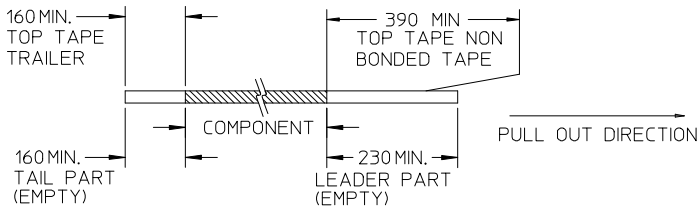
10 9 8 7 6 5 4 3 2 1

WITH CAP IN TAPE & REEL PACKAGING
THE 8CKTS SHOWN AS ABOVE IS FOR
ILLUSTRATION PURPOSE ONLY.
(THIS TYPE E/TAPE USED FOR CKT 8 TO 14)
(PLS REFER TO PK SPEC: PK-89990-484)

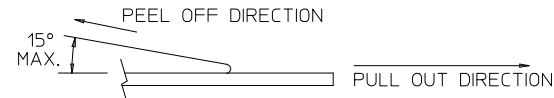


NOTES:

1. LEADER AND TRAILER TAPE



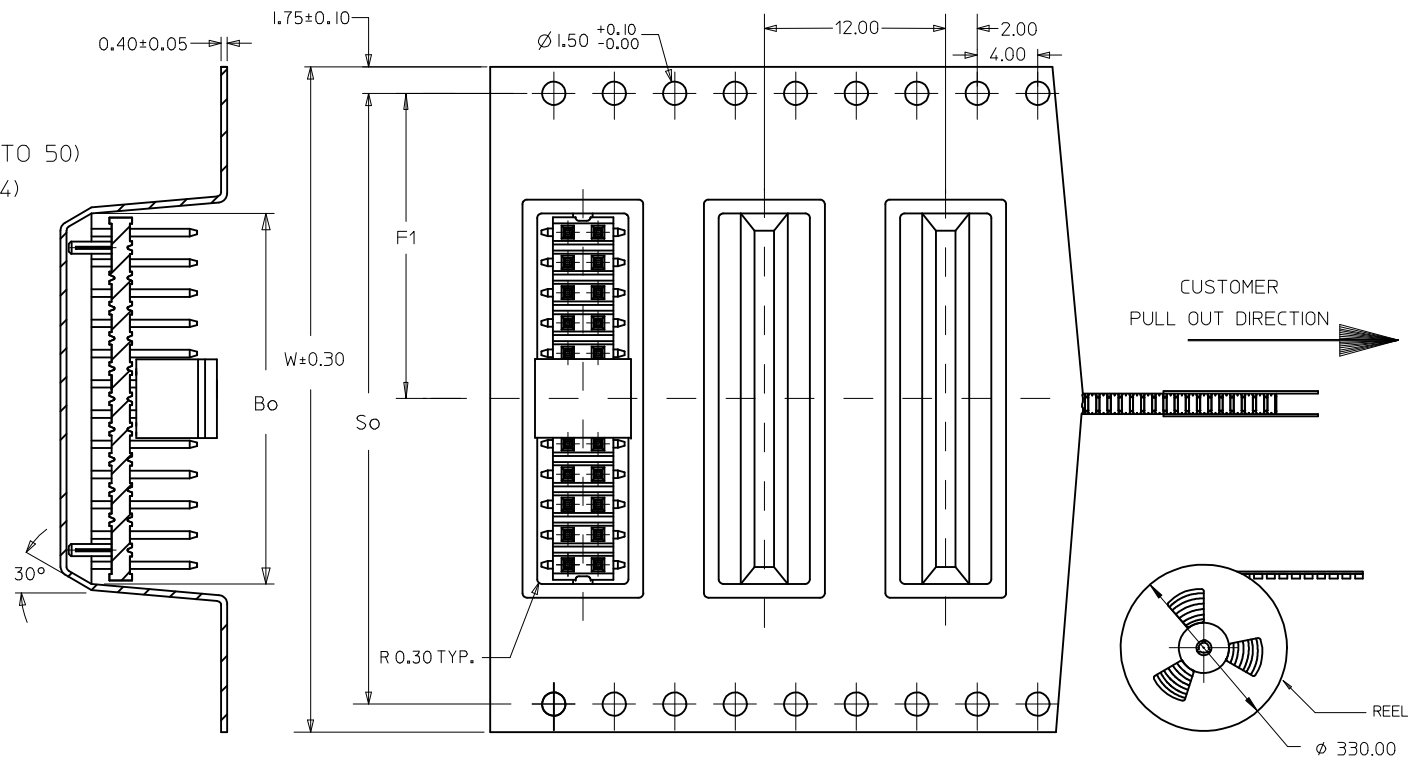
2. PEELING OFF FORCE OF THE TOP TAPE: 20-80gf.
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE)



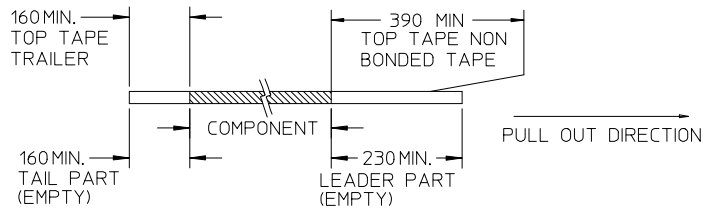
3. TAPE AND REEL SPECIFICATION IS AS PER EIA-481.
4. TAPE AND REEL QUANTITY : 500PCS/ REEL.
5. THE TAPE IS TREATED FOR ANTI-STATIC.

ADD 87759-1611, 1612, 1613 EC NO: S2009-0622 DRWN:ATSEE 2009/03/19 CHKD:SKANG 2009/03/24 APPR:MLONG 2009/03/24 REV B1	DESCRIPTION	QUALITY SYMBOLS ▽=0 ◇=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY	SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
					DRAWN BY SKLIM01	DATE 2006/03/23	TITLE CUSTOM HEADER 2.00MM PITCH DUAL ROW HDR, SINGLE WAFER, SMT				
					CHECKED BY PATEY	DATE 2006/03/29					
					APPROVED BY PATEY	DATE 2006/03/29					MOLEX MOLEX INCORPORATED
					ANGULAR ± 3 °		MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-87759-277		SHEET NO. 3 OF 12
			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		

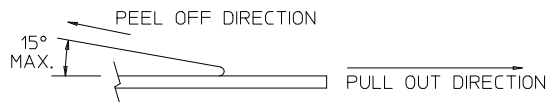
THE 24CKTS SHOWN ABOVE
IS FOR ILLUSTRATION ONLY.
(THIS TYPE E/TAPE USED FOR CKT 16 TO 50)
(PLS REFER TO PK SPEC: PK-89990-484)



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.

EMBOSSSED CARRIER TAPE TYPE "B"

ADD 87759-1611, 1612, 1613 EC NO: S2009-0622 DRAWN:ATSEE 2009/03/19 CHK'D:SKANG 2009/03/24 APPR:MLONG 2009/03/24	DESCRIPTION B1	REV	QUALITY SYMBOLS ▼=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE CUSTOM HEADER 2.00MM PITCH DUAL ROW HDR, SINGLE WAFER, SMT MOLEX INCORPORATED	
					mm	INCH	DRAWN BY SKL IM01	DATE 2006/03/23	MOLEX	DOCUMENT NO. SD-87759-277		SHEET NO. 4 OF 12
				4 PLACES	± ---	± ---	CHECKED BY PATEY	DATE 2006/03/29				
				3 PLACES	± ---	± ---	APPROVED BY PATEY	DATE 2006/03/29				
				2 PLACES	± 0.2	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					
1 PLACE		± ---	± ---	ANGULAR ± 3 °								

	10	9	8	7			6		5		4		3			2		1																																																							
F	PART NUMBER WITHOUT CAP IN TRAY	PART NUMBER WITHOUT CAP IN TUBE	PART NUMBER WITH CAP IN TUBE	PART NUMBER WITH CAP IN TAPE & REEL	CKT SIZE	PEG	PLATING TYPE	VOID POSITION	A	B	C	M	(F)	(G)	Bo	F1	So	W	EMBOSSED TYPE																																																						
	87759-0461	-----	-----	-----	4	N	1	-----	3.90	2.00	---	3.20	5.90	8.10	-	-	-	-	-																																																						
	87759-0462	-----	-----	-----	4	N	2	-----	3.90	2.00	---	3.20	5.90	8.10	-	-	-	-	-																																																						
	87759-0463	-----	-----	-----	4	N	3	-----	3.90	2.00	---	3.20	5.90	8.10	-	-	-	-	-																																																						
E	87759-0661	-----	-----	-----	6	N	1	-----	7.90	6.00	---	3.20	5.90	8.10	-	-	-	-	-																																																						
	87759-0662	-----	-----	-----	6	N	2	-----	7.90	6.00	---	3.20	5.90	8.10	-	-	-	-	-																																																						
	87759-0663	-----	-----	-----	6	N	3	-----	7.90	6.00	---	3.20	5.90	8.10	-	-	-	-	-																																																						
	-----	87759-0861	87759-0871	87759-0881	8	N	1	-----	7.90	6.00	---	3.20	5.90	8.10	8.50	11.50	-	24.00	A																																																						
D	-----	87759-0862	87759-0872	87759-0882	8	N	2	-----	7.90	6.00	---	3.20	5.90	8.10	8.50	11.50	-	24.00	A																																																						
	-----	87759-0863	87759-0873	87759-0883	8	N	3	-----	7.90	6.00	---	3.20	5.90	8.10	8.50	11.50	-	24.00	A																																																						
	-----	87759-6081	87759-7081	87759-8081	8	Y	1	-----	7.90	6.00	4.00	3.20	5.90	8.10	8.50	11.50	-	24.00	A																																																						
	-----	87759-6082	87759-7082	87759-8082	8	Y	2	-----	7.90	6.00	4.00	3.20	5.90	8.10	8.50	11.50	-	24.00	A																																																						
	-----	87759-6083	87759-7083	87759-8083	8	Y	3	-----	7.90	6.00	4.00	3.20	5.90	8.10	8.50	11.50	-	24.00	A																																																						
C																																																																									
B																																																																									
A	<table><tr><td rowspan="5">ADD 87759-1611, 1612, 1613 EC NO: S2009-0622 DRWN:ATSEE 2009/03/19 CHKD:SKANG 2009/03/24 APPR:MLONG 2009/03/24</td><td rowspan="5">DESCRIPTION REV</td><td rowspan="5">QUALITY SYMBOLS ▽=0 ◻=0</td><td colspan="2">GENERAL TOLERANCES (UNLESS SPECIFIED)</td><td colspan="2">DIMENSION STYLE MM ONLY</td><td>SCALE NTS</td><td>DESIGN UNITS METRIC</td><td colspan="2">THIRD ANGLE PROJECTION</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td><td>DRAWN BY SKLIM01</td><td>DATE 2006/03/23</td><td colspan="2" rowspan="2">TITLE CUSTOM HEADER 2.00MM PITCH DUAL ROW HDR, SINGLE WAFER, SMT</td></tr><tr><td>3 PLACES</td><td>± ---</td><td>± ---</td><td>CHECKED BY PATEY</td><td>DATE 2006/03/29</td></tr><tr><td>2 PLACES</td><td>± 0.2</td><td>± ---</td><td>APPROVED BY PATEY</td><td>DATE 2006/03/29</td><td colspan="2" rowspan="2">molex MOLEX INCORPORATED</td></tr><tr><td>1 PLACE</td><td>± ---</td><td>± ---</td><td>MATERIAL NO.</td><td>DOCUMENT NO. SD-87759-277</td><td>SHEET NO. 5 OF 12</td></tr><tr><td colspan="3">B1</td><td colspan="2">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td><td colspan="2">SIZE A3</td><td colspan="5">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td></tr></table>																			ADD 87759-1611, 1612, 1613 EC NO: S2009-0622 DRWN:ATSEE 2009/03/19 CHKD:SKANG 2009/03/24 APPR:MLONG 2009/03/24	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION								4 PLACES	± ---	± ---	DRAWN BY SKLIM01	DATE 2006/03/23	TITLE CUSTOM HEADER 2.00MM PITCH DUAL ROW HDR, SINGLE WAFER, SMT		3 PLACES	± ---	± ---	CHECKED BY PATEY	DATE 2006/03/29	2 PLACES	± 0.2	± ---	APPROVED BY PATEY	DATE 2006/03/29	molex MOLEX INCORPORATED		1 PLACE	± ---	± ---	MATERIAL NO.	DOCUMENT NO. SD-87759-277	SHEET NO. 5 OF 12	B1			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				
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tb_frame_A3_P_AM_T
Rev. F 2006/04/15

10		9		8		7		6		5		4		3		2		1	
PART NUMBER WITHOUT CAP IN TUBE	PART NUMBER WITH CAP IN TUBE	PART NUMBER WITH CAP IN TAPE & REEL	CKT SIZE	PEG	PLATING TYPE	VOID POSITION	A	B	C	M	(F)	(G)	Bo	F1	So	W	EMBOSSED TYPE		
87759-1061	87759-1071	87759-1081	10	N	1	-----	9.90	8.00	---	3.20	5.90	8.10	10.50	11.50	-	24.00	A		
87759-1062	87759-1072	87759-1082	10	N	2	-----	9.90	8.00	---	3.20	5.90	8.10	10.50	11.50	-	24.00	A		
87759-1063	87759-1073	87759-1083	10	N	3	-----	9.90	8.00	---	3.20	5.90	8.10	10.50	11.50	-	24.00	A		
87759-6101	87759-7101	87759-8101	10	Y	1	-----	9.90	8.00	6.00	3.20	5.90	8.10	10.50	11.50	-	24.00	A		
87759-6102	87759-7102	87759-8102	10	Y	2	-----	9.90	8.00	6.00	3.20	5.90	8.10	10.50	11.50	-	24.00	A		
87759-6103	87759-7103	87759-8103	10	Y	3	-----	9.90	8.00	6.00	3.20	5.90	8.10	10.50	11.50	-	24.00	A		
87759-1261	87759-1271	87759-1281	12	N	1	-----	11.90	10.00	---	3.20	5.90	8.10	12.50	11.50	-	24.00	A		
87759-1262	87759-1272	87759-1282	12	N	2	-----	11.90	10.00	---	3.20	5.90	8.10	12.50	11.50	-	24.00	A		
87759-1263	87759-1273	87759-1283	12	N	3	-----	11.90	10.00	---	3.20	5.90	8.10	12.50	11.50	-	24.00	A		
87759-6121	87759-7121	87759-8121	12	Y	1	-----	11.90	10.00	---	3.20	5.90	8.10	12.50	11.50	-	24.00	A		
87759-6122	87759-7122	87759-8122	12	Y	2	-----	11.90	10.00	---	3.20	5.90	8.10	12.50	11.50	-	24.00	A		
87759-6123	87759-7123	87759-8123	12	Y	3	-----	11.90	10.00	---	3.20	5.90	8.10	12.50	11.50	-	24.00	A		
87759-1461	87759-1471	87759-1481	14	N	1	-----	13.90	12.00	---	3.20	5.90	8.10	14.50	11.50	-	24.00	A		
87759-1462	87759-1472	87759-1482	14	N	2	-----	13.90	12.00	---	3.20	5.90	8.10	14.50	11.50	-	24.00	A		
87759-1463	87759-1473	87759-1483	14	N	3	-----	13.90	12.00	---	3.20	5.90	8.10	14.50	11.50	-	24.00	A		
87759-6141	87759-7141	87759-8141	14	Y	1	-----	13.90	12.00	---	3.20	5.90	8.10	14.50	11.50	-	24.00	A		
87759-6142	87759-7142	87759-8142	14	Y	2	-----	13.90	12.00	---	3.20	5.90	8.10	14.50	11.50	-	24.00	A		
87759-6143	87759-7143	87759-8143	14	Y	3	-----	13.90	12.00	---	3.20	5.90	8.10	14.50	11.50	-	24.00	A		

10		9		8		7		6		5		4		3		2		1																																																																																					
F	PART NUMBER WITHOUT CAP IN TUBE	PART NUMBER WITH CAP IN TUBE	PART NUMBER WITH CAP IN TAPE & REEL	CKT SIZE	PEG	PLATING TYPE	VOID POSITION	A	B	C	M	(F)	(G)	Bo	F1	So	W	EMBOSSSED TYPE																																																																																					
	87759-1661	87759-1671	87759-1681	16	N	1	-----	15.90	14.00	---	3.20	5.90	8.10	16.50	14.20	28.40	32.00	B																																																																																					
	87759-1662	87759-1672	87759-1682	16	N	2	-----	15.90	14.00	---	3.20	5.90	8.10	16.50	14.20	28.40	32.00	B																																																																																					
	87759-1663	87759-1673	87759-1683	16	N	3	-----	15.90	14.00	---	3.20	5.90	8.10	16.50	14.20	28.40	32.00	B																																																																																					
E	87759-6161	87759-7161	87759-8161	16	Y	1	-----	15.90	14.00	---	3.20	5.90	8.10	16.50	14.20	28.40	32.00	B																																																																																					
	87759-6162	87759-7162	87759-8162	16	Y	2	-----	15.90	14.00	---	3.20	5.90	8.10	16.50	14.20	28.40	32.00	B																																																																																					
	87759-6163	87759-7163	87759-8163	16	Y	3	-----	15.90	14.00	---	3.20	5.90	8.10	16.50	14.20	28.40	32.00	B																																																																																					
	87759-1611	87759-1612	87759-1613	16	N	4	-----	15.90	14.00	---	5.50	8.20	9.60	16.50	14.20	28.40	32.00	B																																																																																					
D	87759-1861	87759-1871	87759-1881	18	N	1	-----	17.90	16.00	---	3.20	5.90	8.10	18.50	14.20	28.40	32.00	B																																																																																					
	87759-1862	87759-1872	87759-1882	18	N	2	-----	17.90	16.00	---	3.20	5.90	8.10	18.50	14.20	28.40	32.00	B																																																																																					
	87759-1863	87759-1873	87759-1883	18	N	3	-----	17.90	16.00	---	3.20	5.90	8.10	18.50	14.20	28.40	32.00	B																																																																																					
	87759-6181	87759-7181	87759-8181	18	Y	1	-----	17.90	16.00	---	3.20	5.90	8.10	18.50	14.20	28.40	32.00	B																																																																																					
C	87759-6182	87759-7182	87759-8182	18	Y	2	-----	17.90	16.00	---	3.20	5.90	8.10	18.50	14.20	28.40	32.00	B																																																																																					
	87759-6183	87759-7183	87759-8183	18	Y	3	-----	17.90	16.00	---	3.20	5.90	8.10	18.50	14.20	28.40	32.00	B																																																																																					
	87759-2061	87759-2071	87759-2081	20	N	1	-----	19.90	18.00	---	3.20	5.90	8.10	20.50	20.20	40.40	44.00	B																																																																																					
B	87759-2062	87759-2072	87759-2082	20	N	2	-----	19.90	18.00	---	3.20	5.90	8.10	20.50	20.20	40.40	44.00	B																																																																																					
	87759-2063	87759-2073	87759-2083	20	N	3	-----	19.90	18.00	---	3.20	5.90	8.10	20.50	20.20	40.40	44.00	B																																																																																					
	87759-6201	87759-7201	87759-8201	20	Y	1	-----	19.90	18.00	---	3.20	5.90	8.10	20.50	20.20	40.40	44.00	B																																																																																					
	87759-6202	87759-7202	87759-8202	20	Y	2	-----	19.90	18.00	---	3.20	5.90	8.10	20.50	20.20	40.40	44.00	B																																																																																					
A	87759-6203	87759-7203	87759-8203	20	Y	3	-----	19.90	18.00	---	3.20	5.90	8.10	20.50	20.20	40.40	44.00	B																																																																																					
<table><tr><td rowspan="5">ADD 87759-1611, 1612, 1613 EC NO: S2009-0622 DRWN:ATSEE 2009/03/19 CHKD:SKANG 2009/03/24 APPR:MLONG 2009/03/24</td><td rowspan="5">REV</td><td rowspan="5">B1</td><td rowspan="5">QUALITY SYMBOLS ▽=0 ▽=0</td><td colspan="2">GENERAL TOLERANCES (UNLESS SPECIFIED)</td><td colspan="2">DIMENSION STYLE MM ONLY</td><td>SCALE NTS</td><td>DESIGN UNITS METRIC</td><td colspan="2">THIRD ANGLE PROJECTION</td></tr><tr><td colspan="2"></td><td colspan="2">DRAWN BY DATE</td><td colspan="2">TITLE</td></tr><tr><td colspan="2"></td><td colspan="2">SKL IM01 2006/03/23</td><td colspan="2">CUSTOM HEADER</td></tr><tr><td colspan="2"></td><td colspan="2">CHECKED BY DATE</td><td colspan="2">2.00MM PITCH DUAL ROW</td></tr><tr><td colspan="2"></td><td colspan="2">PATEY 2006/03/29</td><td colspan="2">HDR, SINGLE WAFER, SMT</td></tr><tr><td colspan="2"></td><td colspan="2">APPROVED BY DATE</td><td colspan="2">MOLEX INCORPORATED</td></tr><tr><td colspan="2"></td><td colspan="2">PATEY 2006/03/29</td><td colspan="2"></td></tr><tr><td colspan="2"></td><td colspan="2">MATERIAL NO.</td><td colspan="2">DOCUMENT NO.</td><td colspan="2">SHEET NO.</td></tr><tr><td colspan="2"></td><td colspan="2">SEE TABLE</td><td colspan="2">SD-87759-277</td><td colspan="2">7 OF 12</td></tr><tr><td colspan="2"></td><td colspan="2">SIZE A3</td><td colspan="16">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td></tr></table>																				ADD 87759-1611, 1612, 1613 EC NO: S2009-0622 DRWN:ATSEE 2009/03/19 CHKD:SKANG 2009/03/24 APPR:MLONG 2009/03/24	REV	B1	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				DRAWN BY DATE		TITLE				SKL IM01 2006/03/23		CUSTOM HEADER				CHECKED BY DATE		2.00MM PITCH DUAL ROW				PATEY 2006/03/29		HDR, SINGLE WAFER, SMT				APPROVED BY DATE		MOLEX INCORPORATED				PATEY 2006/03/29						MATERIAL NO.		DOCUMENT NO.		SHEET NO.				SEE TABLE		SD-87759-277		7 OF 12				SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
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fb_frame_A3_P_AM_T Rev. E 2006/04/15		9		8		7		6		5		4		3		2		1																																																																																					

	10		9		8		7		6		5		4		3		2		1		
F	PART NUMBER WITHOUT CAP IN TUBE	PART NUMBER WITH CAP IN TUBE	PART NUMBER WITH CAP IN TAPE & REEL	CKT SIZE	PEGLATING TYPE	VOID POSITION	A	B	C	M	(F)	(G)	Bo	F1	So	W	EMBOSSED TYPE				
	87759-2261	87759-2271	87759-2281	22	N	1	-----	21.90	20.00	---	3.20	5.90	8.10	22.50	20.20	40.40	44.00	B			
	87759-2262	87759-2272	87759-2282	22	N	2	-----	21.90	20.00	---	3.20	5.90	8.10	22.50	20.20	40.40	44.00	B			
	87759-2263	87759-2273	87759-2283	22	N	3	-----	21.90	20.00	---	3.20	5.90	8.10	22.50	20.20	40.40	44.00	B			
	87759-6221	87759-7221	87759-8221	22	Y	1	-----	21.90	20.00	---	3.20	5.90	8.10	22.50	20.20	40.40	44.00	B			
	87759-6222	87759-7222	87759-8222	22	Y	2	-----	21.90	20.00	---	3.20	5.90	8.10	22.50	20.20	40.40	44.00	B			
	87759-6223	87759-7223	87759-8223	22	Y	3	-----	21.90	20.00	---	3.20	5.90	8.10	22.50	20.20	40.40	44.00	B			
E																					
	87759-2461	87759-2471	87759-2481	24	N	1	-----	23.90	22.00	---	3.20	5.90	8.10	24.50	20.20	40.40	44.00	B			
	87759-2462	87759-2472	87759-2482	24	N	2	-----	23.90	22.00	---	3.20	5.90	8.10	24.50	20.20	40.40	44.00	B			
	87759-2463	87759-2473	87759-2483	24	N	3	-----	23.90	22.00	---	3.20	5.90	8.10	24.50	20.20	40.40	44.00	B			
	87759-6241	87759-7241	87759-8241	24	Y	1	-----	23.90	22.00	---	3.20	5.90	8.10	24.50	20.20	40.40	44.00	B			
D	87759-6242	87759-7242	87759-8242	24	Y	2	-----	23.90	22.00	---	3.20	5.90	8.10	24.50	20.20	40.40	44.00	B			
	87759-6243	87759-7243	87759-8243	24	Y	3	-----	23.90	22.00	---	3.20	5.90	8.10	24.50	20.20	40.40	44.00	B			
	87759-2661	87759-2671	87759-2681	26	N	1	-----	25.90	24.00	---	3.20	5.90	8.10	26.50	20.20	40.40	44.00	B			
	87759-2662	87759-2672	87759-2682	26	N	2	-----	25.90	24.00	---	3.20	5.90	8.10	26.50	20.20	40.40	44.00	B			
	87759-2663	87759-2673	87759-2683	26	N	3	-----	25.90	24.00	---	3.20	5.90	8.10	26.50	20.20	40.40	44.00	B			
C	87759-6261	87759-7261	87759-8261	26	Y	1	-----	25.90	24.00	---	3.20	5.90	8.10	26.50	20.20	40.40	44.00	B			
	87759-6262	87759-7262	87759-8262	26	Y	2	-----	25.90	24.00	---	3.20	5.90	8.10	26.50	20.20	40.40	44.00	B			
	87759-6263	87759-7263	87759-8263	26	Y	3	-----	25.90	24.00	---	3.20	5.90	8.10	26.50	20.20	40.40	44.00	B			
B																					
A																					
		9		8		7		6		5		4		3		2		1			
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ADD 87759-1611, 1612, 1613 EC NO: S2009-0622 2009/03/19 DRWN:ATSEE 2009/03/24 CHKD:SKANG 2009/03/24 APPR:MLONG REV	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
		4 PLACES	± ---	± ---	DRAWN BY	DATE	TITLE CUSTOM HEADER 2.00MM PITCH DUAL ROW HDR, SINGLE WAFER, SMT MOLEX INCORPORATED	
		3 PLACES	± ---	± ---	CHECKED BY	DATE		
		2 PLACES	± 0.2	± ---	PATEY	2006/03/29		
		1 PLACE	± ---	± ---	APPROVED BY	DATE		
ANGULAR ± 3 °		PATEY		2006/03/29	DOCUMENT NO.		SHEET NO.	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-87759-277		8 OF 12		
SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

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Rev. E 2006/04/15

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PART NUMBER WITHOUT CAP IN TUBE	PART NUMBER WITH CAP IN TUBE	PART NUMBER WITH CAP IN TAPE & REEL	CKT SIZE	PEG	PLATING TYPE	VOID POSITION	A	B	C	M	(F)	(G)	Bo	F1	So	W	EMBOSSED TYPE		
87759-4061	87759-4071	87759-4081	40	N	1	-----	39.90	38.00	---	3.20	5.90	8.10	40.50	26.20	52.40	56.00	B		
87759-4062	87759-4072	87759-4082	40	N	2	-----	39.90	38.00	---	3.20	5.90	8.10	40.50	26.20	52.40	56.00	B		
87759-4063	87759-4073	87759-4083	40	N	3	-----	39.90	38.00	---	3.20	5.90	8.10	40.50	26.20	52.40	56.00	B		
87759-6401	87759-7401	87759-8401	40	Y	1	-----	39.90	38.00	---	3.20	5.90	8.10	40.50	26.20	52.40	56.00	B		
87759-6402	87759-7402	87759-8402	40	Y	2	-----	39.90	38.00	---	3.20	5.90	8.10	40.50	26.20	52.40	56.00	B		
87759-6403	87759-7403	87759-8403	40	Y	3	-----	39.90	38.00	---	3.20	5.90	8.10	40.50	26.20	52.40	56.00	B		
87759-4261	87759-4271	87759-4281	42	N	1	-----	41.90	40.00	---	3.20	5.90	8.10	42.50	26.20	52.40	56.00	B		
87759-4262	87759-4272	87759-4282	42	N	2	-----	41.90	40.00	---	3.20	5.90	8.10	42.50	26.20	52.40	56.00	B		
87759-4263	87759-4273	87759-4283	42	N	3	-----	41.90	40.00	---	3.20	5.90	8.10	42.50	26.20	52.40	56.00	B		
87759-6421	87759-7421	87759-8421	42	Y	1	-----	41.90	40.00	---	3.20	5.90	8.10	42.50	26.20	52.40	56.00	B		
87759-6422	87759-7422	87759-8422	42	Y	2	-----	41.90	40.00	---	3.20	5.90	8.10	42.50	26.20	52.40	56.00	B		
87759-6423	87759-7423	87759-8423	42	Y	3	-----	41.90	40.00	---	3.20	5.90	8.10	42.50	26.20	52.40	56.00	B		
87759-4461	87759-4471	87759-4481	44	N	1	-----	43.90	42.00	---	3.20	5.90	8.10	44.50	26.20	52.40	56.00	B		
87759-4462	87759-4472	87759-4482	44	N	2	-----	43.90	42.00	---	3.20	5.90	8.10	44.50	26.20	52.40	56.00	B		
87759-4463	87759-4473	87759-4483	44	N	3	-----	43.90	42.00	---	3.20	5.90	8.10	44.50	26.20	52.40	56.00	B		
87759-6441	87759-7441	87759-8441	44	Y	1	-----	43.90	42.00	---	3.20	5.90	8.10	44.50	26.20	52.40	56.00	B		
87759-6442	87759-7442	87759-8442	44	Y	2	-----	43.90	42.00	---	3.20	5.90	8.10	44.50	26.20	52.40	56.00	B		
87759-6443	87759-7443	87759-8443	44	Y	3	-----	43.90	42.00	---	3.20	5.90	8.10	44.50	26.20	52.40	56.00	B		

10		9		8		7		6		5		4		3		2		1	
PART NUMBER WITHOUT CAP IN TUBE	PART NUMBER WITH CAP IN TUBE	PART NUMBER WITH CAP IN TAPE & REEL	CKT SIZE	PEG	PLATING TYPE	VOID POSITION	A	B	C	M	(F)	(G)	Bo	F1	So	W	EMBOSSSED TYPE		
87759-4661	87759-4671	87759-4681	46	N	1	-----	45.90	44.00	---	3.20	5.90	8.10	46.50	34.20	68.40	72.00	B		
87759-4662	87759-4672	87759-4682	46	N	2	-----	45.90	44.00	---	3.20	5.90	8.10	46.50	34.20	68.40	72.00	B		
87759-4663	87759-4673	87759-4683	46	N	3	-----	45.90	44.00	---	3.20	5.90	8.10	46.50	34.20	68.40	72.00	B		
87759-6461	87759-7461	87759-8461	46	Y	1	-----	45.90	44.00	---	3.20	5.90	8.10	46.50	34.20	68.40	72.00	B		
87759-6462	87759-7462	87759-8462	46	Y	2	-----	45.90	44.00	---	3.20	5.90	8.10	46.50	34.20	68.40	72.00	B		
87759-6463	87759-7463	87759-8463	46	Y	3	-----	45.90	44.00	---	3.20	5.90	8.10	46.50	34.20	68.40	72.00	B		
87759-4861	87759-4871	87759-4881	48	N	1	-----	47.90	46.00	---	3.20	5.90	8.10	48.50	34.20	68.40	72.00	B		
87759-4862	87759-4872	87759-4882	48	N	2	-----	47.90	46.00	---	3.20	5.90	8.10	48.50	34.20	68.40	72.00	B		
87759-4863	87759-4873	87759-4883	48	N	3	-----	47.90	46.00	---	3.20	5.90	8.10	48.50	34.20	68.40	72.00	B		
87759-6481	87759-7481	87759-8481	48	Y	1	-----	47.90	46.00	---	3.20	5.90	8.10	48.50	34.20	68.40	72.00	B		
87759-6482	87759-7482	87759-8482	48	Y	2	-----	47.90	46.00	---	3.20	5.90	8.10	48.50	34.20	68.40	72.00	B		
87759-6483	87759-7483	87759-8483	48	Y	3	-----	47.90	46.00	---	3.20	5.90	8.10	48.50	34.20	68.40	72.00	B		
87759-5061	87759-5071	87759-5081	50	N	1	-----	49.90	48.00	---	3.20	5.90	8.10	50.50	34.20	68.40	72.00	B		
87759-5062	87759-5072	87759-5082	50	N	2	-----	49.90	48.00	---	3.20	5.90	8.10	50.50	34.20	68.40	72.00	B		
87759-5063	87759-5073	87759-5083	50	N	3	-----	49.90	48.00	---	3.20	5.90	8.10	50.50	34.20	68.40	72.00	B		
87759-6501	87759-7501	87759-8501	50	Y	1	-----	49.90	48.00	---	3.20	5.90	8.10	50.50	34.20	68.40	72.00	B		
87759-6502	87759-7502	87759-8502	50	Y	2	-----	49.90	48.00	---	3.20	5.90	8.10	50.50	34.20	68.40	72.00	B		
87759-6503	87759-7503	87759-8503	50	Y	3	-----	49.90	48.00	---	3.20	5.90	8.10	50.50	34.20	68.40	72.00	B		