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Part Number: [0879331007](#)
Status: **Active**
Description: 1.27mm (.050") Pitch Wire-to-Board Header, Dual Row, SMT, Vertical, 10 Circuits, 0.05µm (2µ") Gold (Au) Plating, Mating Pin Length 1.65mm (0.065"), with Cap, without Peg, Tube Packaging, Lead-free

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification PS-87933-001 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	PCB Headers
Series	87933
Application	Wire-to-Board
Comments	With Cap
Product Name	N/A

Physical

Breakaway	Yes
Circuits (Loaded)	10
Circuits (maximum)	10
Color - Resin	Black
Durability (mating cycles max)	100
First Mate / Last Break	No
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	No
Mated Height (in)	0.065 In
Mated Height (mm)	1.65 mm
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Nickel
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Vertical
PCB Locator	No
PCB Retention	None
Packaging Type	Tube
Pitch - Mating Interface (in)	0.050 In
Pitch - Mating Interface (mm)	1.27 mm
Pitch - Term. Interface (in)	0.050 In
Pitch - Term. Interface (mm)	1.27 mm
Plating min: Mating (µin)	2
Plating min: Mating (µm)	0.05
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
Termination Interface: Style	Surface Mount

Electrical

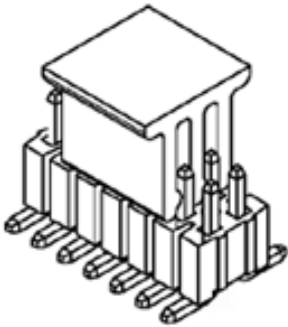


image - Reference only

Series

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
[87933Series](#)

Mates With
[78120](#) Wire-to-Board Receptacles

Current - Maximum per Contact	1.75A
Voltage - Maximum	125V

Solder Process Data

Duration at Max. Process Temperature (seconds)	14
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	3
Process Temperature max. C	260

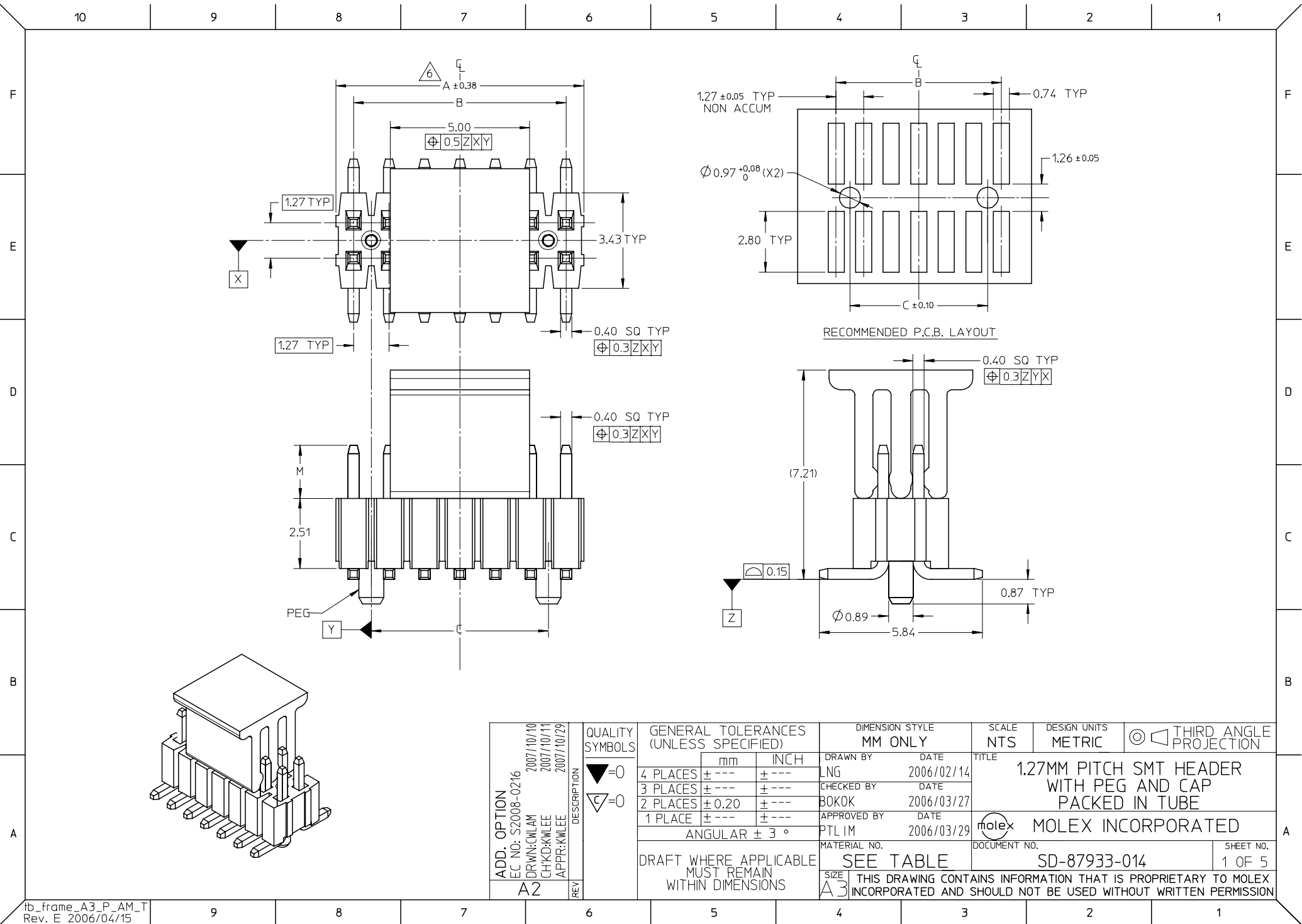
Material Info

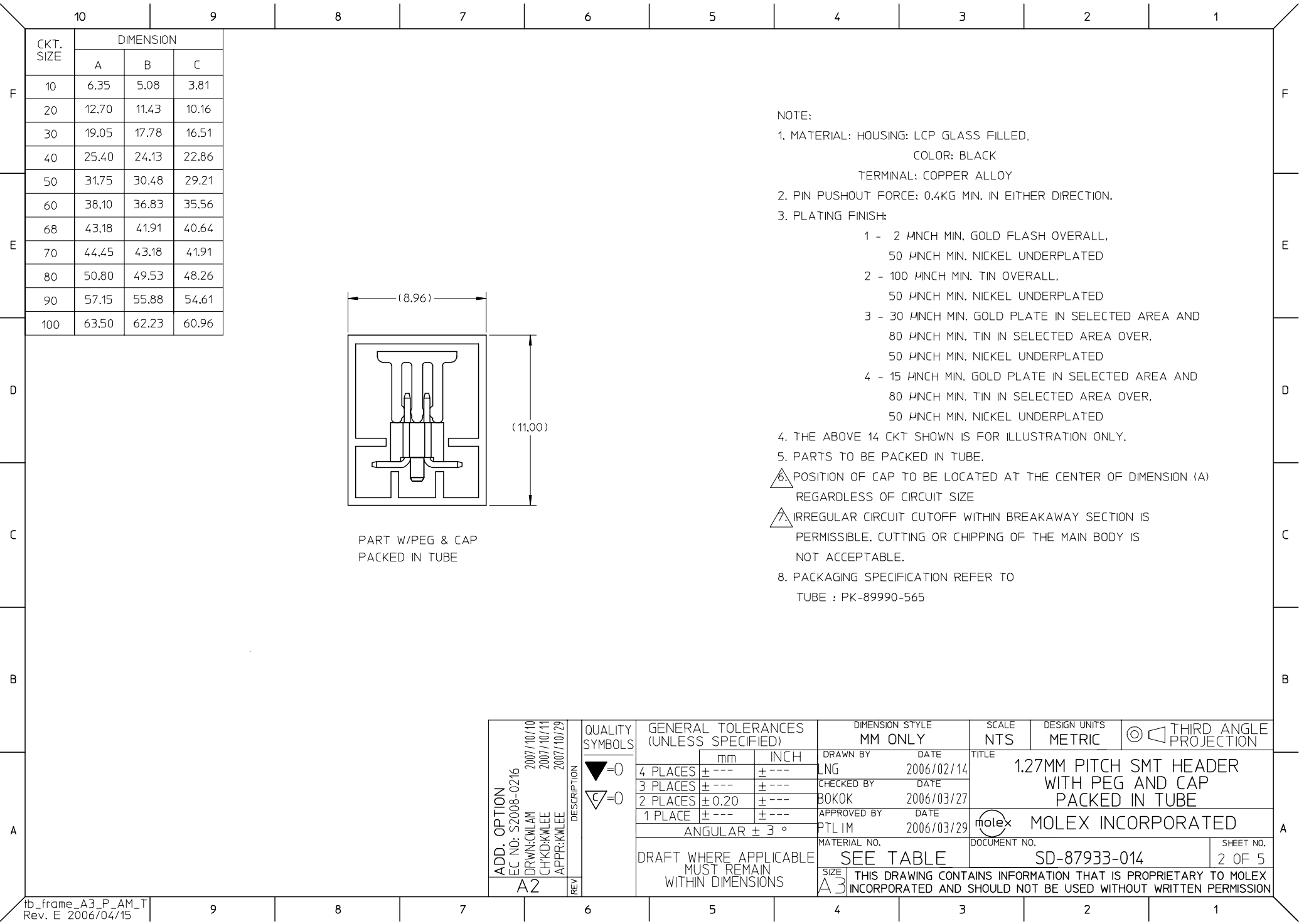
Reference - Drawing Numbers

Product Specification	PS-87933-001
Sales Drawing	SD-87933-014

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ADD. OPTION EC NO: S2008-0216 2007/10/10 DRWN:CLAM CHKD:KLEE 2007/10/11 APPR:KLEE 2007/10/29	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	DATE	TITLE 1.27MM PITCH SMT HEADER WITH PEG AND CAP PACKED IN TUBE					
			4 PLACES	± ---	± ---	LNG						2006/02/14
			3 PLACES	± ---	± ---	CHECKED BY						DATE
			2 PLACES	± 0.20	± ---	BOKOK	2006/03/27	MOLEX MOLEX INCORPORATED				
			1 PLACE	± ---	± ---	APPROVED BY	DATE					
			ANGULAR ± 3 °		PTL IM	2006/03/29	DOCUMENT NO. SD-87933-014					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE TABLE		SHEET NO. 2 OF 5								
A2		A3							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				
F	P/N WITH CAP PACKED IN TUBE	PEG	CKT SIZE	PLATING OPTIONS	DIM. M						P/N WITH CAP PACKED IN TUBE	PEG	CKT SIZE	PLATING OPTIONS	DIM. M						P/N WITH CAP PACKED IN TUBE	PEG	CKT SIZE	PLATING OPTIONS	DIM. M
	87933-1007	N	10	1	1.65						87933-2007	N	20	1	1.65						87933-3007	N	30	1	1.65
	87933-1008	N	10	2	1.65						87933-2008	N	20	2	1.65						87933-3008	N	30	2	1.65
	87933-1009	N	10	3	1.65						87933-2009	N	20	3	1.65						87933-3009	N	30	3	1.65
	87933-1010	N	10	4	1.65						87933-2010	N	20	4	1.65						87933-3010	N	30	4	1.65
E	87933-1011	N	10	1	1.91						87933-2011	N	20	1	1.91						87933-3011	N	30	1	1.91
	87933-1012	N	10	2	1.91						87933-2012	N	20	2	1.91						87933-3012	N	30	2	1.91
	87933-1013	N	10	3	1.91						87933-2013	N	20	3	1.91						87933-3013	N	30	3	1.91
	87933-1014	N	10	4	1.91						87933-2014	N	20	4	1.91						87933-3014	N	30	4	1.91
	87933-1015	N	10	1	3.05						87933-2015	N	20	1	3.05						87933-3015	N	30	1	3.05
D	87933-1016	N	10	2	3.05						87933-2016	N	20	2	3.05						87933-3016	N	30	2	3.05
	87933-1017	N	10	3	3.05						87933-2017	N	20	3	3.05						87933-3017	N	30	3	3.05
	87933-1018	N	10	4	3.05						87933-2018	N	20	4	3.05						87933-3018	N	30	4	3.05
C	P/N WITH CAP PACKED IN TUBE	PEG	CKT SIZE	PLATING OPTIONS	DIM. M																				
	87933-4007	N	40	1	1.65																				
	87933-4008	N	40	2	1.65																				
	87933-4009	N	40	3	1.65																				
	87933-4010	N	40	4	1.65																				
B	87933-4011	N	40	1	1.91																				
	87933-4012	N	40	2	1.91																				
	87933-4013	N	40	3	1.91																				
	87933-4014	N	40	4	1.91																				
	87933-4015	N	40	1	3.05																				
A	87933-4016	N	40	2	3.05																				
	87933-4017	N	40	3	3.05																				
	87933-4018	N	40	4	3.05																				
ADD. OPTION					REV		DESCRIPTION		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE NTS		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION					
EC NO: S2008-0216 2007/10/10 DRWN: CWLAW CHKD: KWLEE APPR: KWLEE 2007/10/11 2007/10/29					A2				▽=0 ▽=0		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.20 ± --- 1 PLACE ± --- ± --- ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			DRAWN BY DATE LNG 2006/02/14 CHECKED BY DATE BOKOK 2006/03/27 APPROVED BY DATE PTLIM 2006/03/29		TITLE 1.27MM PITCH SMT HEADER WITH PEG AND CAP PACKED IN TUBE		molex MOLEX INCORPORATED		SHEET NO. 3 OF 5		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
											SIZE A3			DOCUMENT NO. SD-87933-014											

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3

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10		9		8		7		6		5		4		3		2		1	
P/N WITH CAP PACKED IN TUBE	PEG	CKT SIZE	PLATING OPTIONS	DIM. M		P/N WITH CAP PACKED IN TUBE	PEG	CKT SIZE	PLATING OPTIONS	DIM. M		P/N WITH CAP PACKED IN TUBE	PEG	CKT SIZE	PLATING OPTIONS	DIM. M			
87933-5007	Y	50	1	1.65		87933-6007	N	60	1	1.65		87933-6807	N	68	1	1.65			
87933-5008	Y	50	2	1.65		87933-6008	N	60	2	1.65		87933-6808	N	68	2	1.65			
87933-5009	Y	50	3	1.65		87933-6009	N	60	3	1.65		87933-6809	N	68	3	1.65			
87933-5010	Y	50	4	1.65		87933-6010	N	60	4	1.65		87933-6810	N	68	4	1.65			
87933-5011	Y	50	1	1.91		87933-6011	N	60	1	1.91		87933-6811	N	68	1	1.91			
87933-5012	Y	50	2	1.91		87933-6012	N	60	2	1.91		87933-6812	N	68	2	1.91			
87933-5013	Y	50	3	1.91		87933-6013	N	60	3	1.91		87933-6813	N	68	3	1.91			
87933-5014	Y	50	4	1.91		87933-6014	N	60	4	1.91		87933-6814	N	68	4	1.91			
87933-5015	Y	50	1	3.05		87933-6015	N	60	1	3.05		87933-6815	N	68	1	3.05			
87933-5016	Y	50	2	3.05		87933-6016	N	60	2	3.05		87933-6816	N	68	2	3.05			
87933-5017	Y	50	3	3.05		87933-6017	N	60	3	3.05		87933-6817	N	68	3	3.05			
87933-5018	Y	50	4	3.05		87933-6018	N	60	4	3.05		87933-6818	N	68	4	3.05			
P/N WITH CAP PACKED IN TUBE	PEG	CKT SIZE	PLATING OPTIONS	DIM. M															
87933-7007	N	70	1	1.65															
87933-7008	N	70	2	1.65															
87933-7009	N	70	3	1.65															
87933-7010	N	70	4	1.65															
87933-7011	N	70	1	1.91															
87933-7012	N	70	2	1.91															
87933-7013	N	70	3	1.91															
87933-7014	N	70	4	1.91															
87933-7015	N	70	1	3.05															
87933-7016	N	70	2	3.05															
87933-7017	N	70	3	3.05															
87933-7018	N	70	4	3.05															
ADD. OPTION EC NO: S2008-0216 DRAWN:KJAM CHKD:KMLEE APPR:KMLEE A2					REV	QUALITY SYMBOLS ▽=0 ▽=0		GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.20 ± --- 1 PLACE ± --- ± --- ANGULAR ± 3 °		DIMENSION STYLE MM ONLY DRAWN BY DATE LNG 2006/02/14 CHECKED BY DATE BOKOK 2006/03/27 APPROVED BY DATE PTL IM 2006/03/29		SCALE NTS		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION			
						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		DOCUMENT NO. SD-87933-014		SHEET NO. 4 OF 5					
tb_frame_A3_P_AM_T Rev. E 2006/04/15		9		8		7		6		5		4		3		2		1	

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