

## Excellent Integrated System Limited

Stocking Distributor

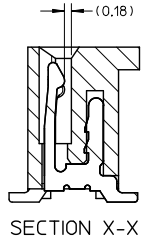
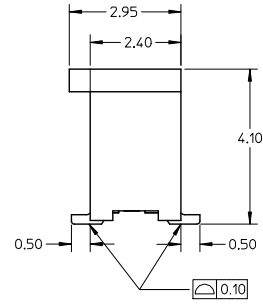
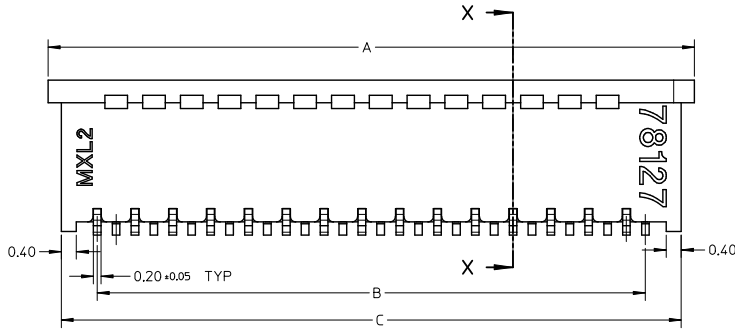
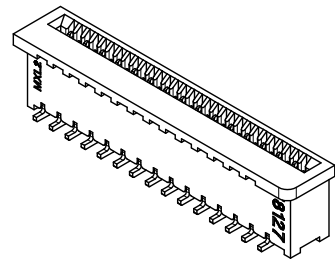
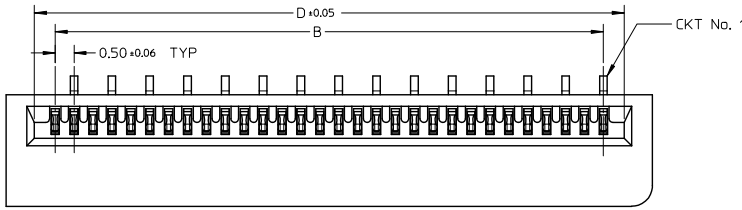
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Molex Connector Corporation](#)  
[0781271399](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

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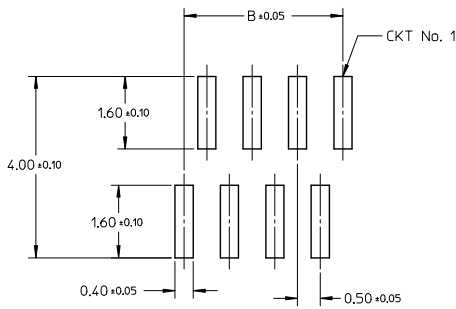
**NOTE:**

1. MATERIAL:  
HOUSING: PA46 GLASS FILLED, UL94V-0, COLOR: NATURAL  
TERMINAL: COPPER ALLOY
2. PLATING:  
1) 0.10 μm MIN. GOLD PLATING OVER NICKEL PLATING OVERALL  
2) 1-3 μm TIN-BISMUTH PLATING OVER NICKEL PLATING OVERALL
3. PRODUCT SPECIFICATION: PS-78119-001
4. PRODUCT ARE PACKED IN TAPE & REEL.

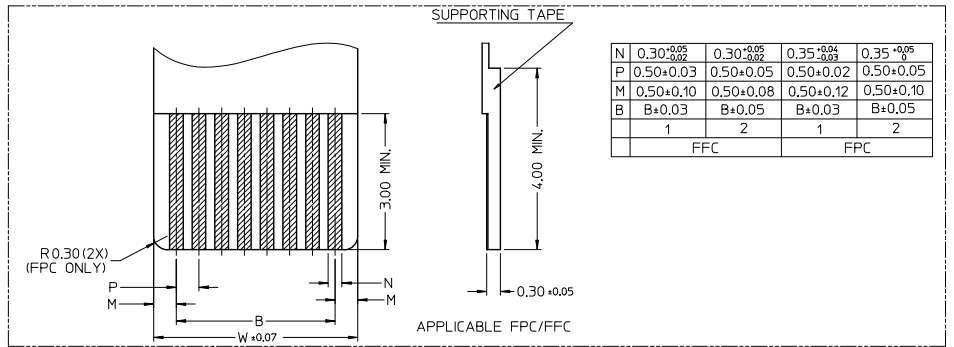
REVISED IEC NO: J2013-0629 DRAWN: MORISHITA 2012/11/30 CHECKED: TAKAHASHI 2012/11/30 APPR: KINOKAWA 2012/12/11	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	mm INCH	MM ONLY	NTS	METRIC	
	▽=0	4 PLACES ± --- ± ---	DRAWN BY DATE	TITLE		0.50MM PITCH, FPC CONN. NON-ZIF, SMT  <b>molex</b> DOCUMENT NO. SD-78127-001 SHEET NO. 1 OF 7
	▽=0	3 PLACES ± --- ± ---	YLO1A0 2006/05/05	2006/06/06		
▽=0	2 PLACES ± 0.15 ± ---	CHECKED BY DATE	2006/06/06			
	1 PLACE ± --- ± ---	BOKOK 2006/06/06	2006/06/06			
	0 PLACE ± --- ± ---	APPROVED BY DATE	2006/06/06			
		PTL IM 2006/06/06				
		ANGULAR ± 3°	MATERIAL NO.			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE TABLE			
			SIZE A3			
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

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RECOMMENDED PCB LAYOUT



N	0.30 <sup>+0.05</sup> / <sub>-0.02</sub>	0.30 <sup>+0.05</sup> / <sub>-0.02</sub>	0.35 <sup>+0.04</sup> / <sub>-0.03</sub>	0.35 <sup>+0.05</sup> / <sub>0</sub>
P	0.50±0.03	0.50±0.05	0.50±0.02	0.50±0.05
M	0.50±0.10	0.50±0.08	0.50±0.12	0.50±0.10
B	B±0.03	B±0.05	B±0.03	B±0.05
	1	2	1	2
	FFC		FPC	

<b>REVISED</b> EC NO: J2013-0629 DRAWN: MORI SHITA 2012/11/30 CHECKED: TAKAHASHI 2012/11/30 APPR: MORIKAWA 2012/12/11	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
	$\nabla=0$ $\nabla=0$ $\nabla=0$	4 PLACES	mm	INCH	MM ONLY		NTS	METRIC	TITLE 0.50MM PITCH, FPC CONN. NON-ZIF, SMT	
		3 PLACES	±---	±---	DRAWN BY	DATE			MATERIAL NO. SEE TABLE	
		2 PLACES	±0.15	±---	CHECKED BY	DATE			DOCUMENT NO. SD-78127-001	
	1 PLACE	±---	±---	APPROVED BY	DATE			SHEET NO. 2 OF 7		
	0 PLACE	±	±	PTLIM 2006/06/06		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

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GOLD PLATING TERMINAL ASSEMBLY PART NUMBERS

ASSY P/N W/O PACKAGING	CKT	DIM A	DIM B	DIM C	DIM D	PLATING TYPE
78127-0108	10	7.10	4.50	6.40	5.60	1
78127-0118	11	7.60	5.00	6.90	6.10	
78127-0128	12	8.10	5.50	7.40	6.60	
78127-0138	13	8.60	6.00	7.90	7.10	
78127-0148	14	9.10	6.50	8.40	7.60	
78127-0158	15	9.60	7.00	8.90	8.10	
78127-0168	16	10.10	7.50	9.40	8.60	
78127-0178	17	10.60	8.00	9.90	9.10	
78127-0188	18	11.10	8.50	10.40	9.60	
78127-0198	19	11.60	9.00	10.90	10.10	
78127-0208	20	12.10	9.50	11.40	10.60	
78127-0218	21	12.60	10.00	11.90	11.10	
78127-0228	22	13.10	10.50	12.40	11.60	
78127-0238	23	13.60	11.00	12.90	12.10	
78127-0248	24	14.10	11.50	13.40	12.60	
78127-0258	25	14.60	12.00	13.90	13.10	
78127-0268	26	15.10	12.50	14.40	13.60	
78127-0278	27	15.60	13.00	14.90	14.10	
78127-0288	28	16.10	13.50	15.40	14.60	
78127-0298	29	16.60	14.00	15.90	15.10	
78127-0308	30	17.10	14.50	16.40	15.60	

ASSY P/N W/O PACKAGING	CKT	DIM A	DIM B	DIM C	DIM D	PLATING TYPE
78127-0318	31	17.60	15.00	16.90	16.10	1
78127-0328	32	18.10	15.50	17.40	16.60	
78127-0338	33	18.60	16.00	17.90	17.10	
78127-0348	34	19.10	16.50	18.40	17.60	
78127-0358	35	19.60	17.00	18.90	18.10	
78127-0368	36	20.10	17.50	19.40	18.60	
78127-0378	37	20.60	18.00	19.90	19.10	
78127-0388	38	21.10	18.50	20.40	19.60	
78127-0398	39	21.60	19.00	20.90	20.10	
78127-0408	40	22.10	19.50	21.40	20.60	

<b>REVISED</b> EC NO: J2013-0629 DRAWN: MORISHITA 2012/11/30 CHECKED: TAKAHASHI 2012/11/30 APPR: KIMURA 2012/11/11	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY	SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION																														
	$\nabla=0$ $\nabla=0$ $\nabla=0$	<table border="1"> <tr><th colspan="2">mm</th><th>INCH</th></tr> <tr><td>4 PLACES</td><td>±---</td><td>±---</td></tr> <tr><td>3 PLACES</td><td>±---</td><td>±---</td></tr> <tr><td>2 PLACES</td><td>±0.15</td><td>±---</td></tr> <tr><td>1 PLACE</td><td>±---</td><td>±---</td></tr> <tr><td>0 PLACE</td><td>±</td><td>±</td></tr> </table>	mm		INCH	4 PLACES	±---	±---	3 PLACES	±---	±---	2 PLACES	±0.15	±---	1 PLACE	±---	±---	0 PLACE	±	±	<table border="1"> <tr><th>DRAWN BY</th><th>DATE</th></tr> <tr><td>YLOIAO</td><td>2006/05/05</td></tr> <tr><th>CHECKED BY</th><th>DATE</th></tr> <tr><td>BOKOK</td><td>2006/06/06</td></tr> <tr><th>APPROVED BY</th><th>DATE</th></tr> <tr><td>PTLIM</td><td>2006/06/06</td></tr> </table>	DRAWN BY	DATE	YLOIAO	2006/05/05	CHECKED BY	DATE	BOKOK	2006/06/06	APPROVED BY	DATE	PTLIM	2006/06/06	TITLE 0.50MM PITCH, FPC CONN. NON-ZIF, SMT		
	mm		INCH																																	
	4 PLACES	±---	±---																																	
3 PLACES	±---	±---																																		
2 PLACES	±0.15	±---																																		
1 PLACE	±---	±---																																		
0 PLACE	±	±																																		
DRAWN BY	DATE																																			
YLOIAO	2006/05/05																																			
CHECKED BY	DATE																																			
BOKOK	2006/06/06																																			
APPROVED BY	DATE																																			
PTLIM	2006/06/06																																			
ANGULAR ± 3° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. <b>SEE TABLE</b>	DOCUMENT NO. SD-78127-001	SHEET NO. 3 OF 7																																	
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																																			

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TIN-BISMUTH PLATING TERMINAL ASSEMBLY PART NUMBERS

ASSY P/N W/O PACKAGING	CKT	DIM A	DIM B	DIM C	DIM D	PLATING TYPE
78127-0109	10	7.10	4.50	6.40	5.60	2
78127-0119	11	7.60	5.00	6.90	6.10	
78127-0129	12	8.10	5.50	7.40	6.60	
78127-0139	13	8.60	6.00	7.90	7.10	
78127-0149	14	9.10	6.50	8.40	7.60	
78127-0159	15	9.60	7.00	8.90	8.10	
78127-0169	16	10.10	7.50	9.40	8.60	
78127-0179	17	10.60	8.00	9.90	9.10	
78127-0189	18	11.10	8.50	10.40	9.60	
78127-0199	19	11.60	9.00	10.90	10.10	
78127-0209	20	12.10	9.50	11.40	10.60	
78127-0219	21	12.60	10.00	11.90	11.10	
78127-0229	22	13.10	10.50	12.40	11.60	
78127-0239	23	13.60	11.00	12.90	12.10	
78127-0249	24	14.10	11.50	13.40	12.60	
78127-0259	25	14.60	12.00	13.90	13.10	
78127-0269	26	15.10	12.50	14.40	13.60	
78127-0279	27	15.60	13.00	14.90	14.10	
78127-0289	28	16.10	13.50	15.40	14.60	
78127-0299	29	16.60	14.00	15.90	15.10	
78127-0309	30	17.10	14.50	16.40	15.60	

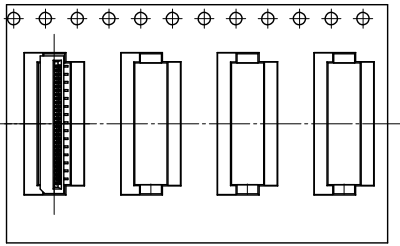
ASSY P/N W/O PACKAGING	CKT	DIM A	DIM B	DIM C	DIM D	PLATING TYPE
78127-0319	31	17.60	15.00	16.90	16.10	2
78127-0329	32	18.10	15.50	17.40	16.60	
78127-0339	33	18.60	16.00	17.90	17.10	
78127-0349	34	19.10	16.50	18.40	17.60	
78127-0359	35	19.60	17.00	18.90	18.10	
78127-0369	36	20.10	17.50	19.40	18.60	
78127-0379	37	20.60	18.00	19.90	19.10	
78127-0389	38	21.10	18.50	20.40	19.60	
78127-0399	39	21.60	19.00	20.90	20.10	
78127-0409	40	22.10	19.50	21.40	20.60	

<b>REVISED</b> EC NO. J2013-0629 DRAWN: MORISHITA 2012/11/30 CHECKED: AKAHASHI 2012/11/30 APPR: MORIKAWA 2012/12/11	<b>QUALITY SYMBOLS</b> $\nabla=0$ $\nabla=0$ $\nabla=0$	<b>GENERAL TOLERANCES (UNLESS SPECIFIED)</b>		<b>DIMENSION STYLE</b> MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
				DRAWN BY YLQ1A0	DATE 2006/05/05	TITLE 0.50MM PITCH, FPC CONN. NON-ZIF, SMT		
				CHECKED BY BOKOK	DATE 2006/06/06			
				APPROVED BY PTLIM	DATE 2006/06/06	MATERIAL NO. SEE TABLE	DOCUMENT NO. SD-78127-001	

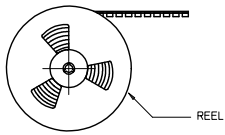
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**EMBOSSED TYPE A**

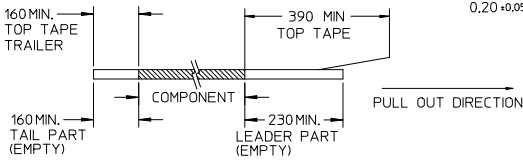


CUSTOMER  
PULL OUT DIRECTION

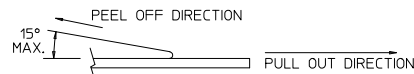


**NOTES:**

**1. LEADER AND TRAILER TAPE**

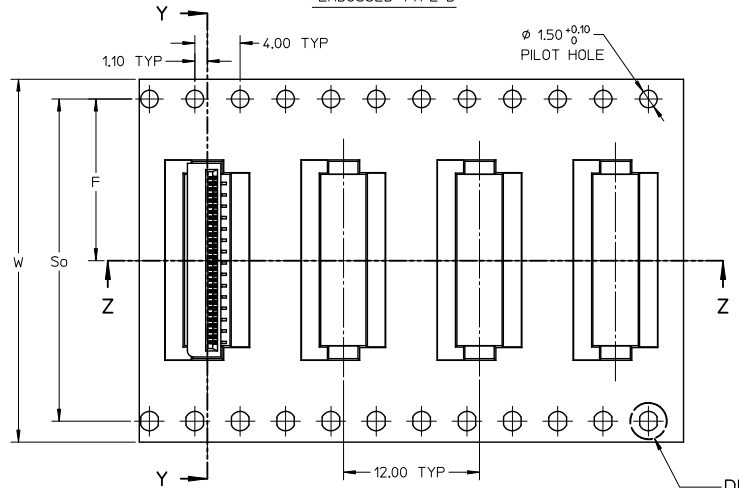


**2. PEELING OFF FORCE OF THE TOP TAPE: 20-80gf.**  
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE)

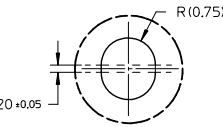


- 3. PACKAGING STANDARD IS AS PER EIA-481.
- 4. TAPE & REEL QUANTITY = 1000 PCS/REEL

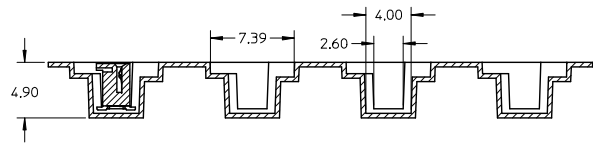
**EMBOSSED TYPE B**



**SECTION Y-Y**



**SECTION Z-Z**



<b>REVISED</b> EC NO. 2013-0629 DRAWN: MORISHITA 2012/11/30 CHECK: TAKAHASHI 2012/11/30 APPR: KIMURAKAWA 2012/12/11	QUALITY SYMBOLS ∇=0 ∇=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
		4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	2 PLACES ± 0.15 ± ---	1 PLACE ± --- ± ---	0 PLACE ± ±	DRAWN BY YLQIAO	DATE 2006/05/05	TITLE 0.50MM PITCH, FPC CONN. NON-ZIF, SMT		
		ANGULAR ± 3°					CHECKED BY BOKOK	DATE 2006/06/06	MATERIAL NO. SEE TABLE		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					APPROVED BY PTL IM	DATE 2006/06/06	DOCUMENT NO. SD-78127-001	SHEET NO. 5 OF 7	

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10 9 8 7 6 5 4 3 2 1

GOLD PLATING TERMINAL ASSEMBLY PART NUMBERS

ASSY P/N PACKED IN T&R	ASSY P/N W/O PACKAGING	CKT	W	So	F	Bo	B	EMBOSSED TYPE
78127-1108	78127-0108	10	24.00	-	11.50	7.40	5.10	A
78127-1118	78127-0118	11	24.00	-	11.50	7.90	5.60	
78127-1128	78127-0128	12	24.00	-	11.50	8.40	6.10	
78127-1138	78127-0138	13	24.00	-	11.50	8.90	6.60	
78127-1148	78127-0148	14	24.00	-	11.50	9.40	7.10	
78127-1158	78127-0158	15	24.00	-	11.50	9.90	7.60	
78127-1168	78127-0168	16	24.00	-	11.50	10.40	8.10	
78127-1178	78127-0178	17	24.00	-	11.50	10.90	8.60	
78127-1188	78127-0188	18	24.00	-	11.50	11.40	9.10	
78127-1198	78127-0198	19	24.00	-	11.50	11.90	9.60	
78127-1208	78127-0208	20	24.00	-	11.50	12.40	10.10	
78127-1218	78127-0218	21	32.00	28.40	14.20	12.90	10.60	B
78127-1228	78127-0228	22	32.00	28.40	14.20	13.40	11.10	
78127-1238	78127-0238	23	32.00	28.40	14.20	13.90	11.60	
78127-1248	78127-0248	24	32.00	28.40	14.20	14.40	12.10	
78127-1258	78127-0258	25	32.00	28.40	14.20	14.90	12.60	
78127-1268	78127-0268	26	32.00	28.40	14.20	15.40	13.10	
78127-1278	78127-0278	27	32.00	28.40	14.20	15.90	13.60	
78127-1288	78127-0288	28	32.00	28.40	14.20	16.40	14.10	
78127-1298	78127-0298	29	32.00	28.40	14.20	16.90	14.60	
78127-1308	78127-0308	30	32.00	28.40	14.20	17.40	15.10	

ASSY P/N PACKED IN T&R	ASSY P/N W/O PACKAGING	CKT	W	So	F	Bo	B	EMBOSSED TYPE
78127-1318	78127-0318	31	32.00	28.40	14.20	17.90	15.60	B
78127-1328	78127-0328	32	32.00	28.40	14.20	18.40	16.10	
78127-1338	78127-0338	33	32.00	28.40	14.20	18.90	16.60	
78127-1348	78127-0348	34	32.00	28.40	14.20	19.40	17.10	
78127-1358	78127-0358	35	32.00	28.40	14.20	19.90	17.60	
78127-1368	78127-0368	36	32.00	28.40	14.20	20.40	18.10	
78127-1378	78127-0378	37	32.00	28.40	14.20	20.90	18.60	
78127-1388	78127-0388	38	32.00	28.40	14.20	21.40	19.10	
78127-1398	78127-0398	39	44.00	40.40	20.20	21.90	19.60	
78127-1408	78127-0408	40	44.00	40.40	20.20	22.40	20.10	

<b>REVISED</b> EC NO. J2013-0629 DRAWN: IMRISHITA 2012/11/30 CHECK: TAKAHASHI 2012/11/30 APPR: IMRISHITA 2012/12/11	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	$\sqrt{\text{ }}=0$ $\sqrt{\text{ }}=0$ $\sqrt{\text{ }}=0$	mm INCH	MM ONLY	NTS	METRIC	
	4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.15 ± --- 1 PLACE ± --- ± --- 0 PLACE ± ±	DRAWN BY YLQIAO DATE 2006/05/05 CHECKED BY BOKOK DATE 2006/06/06 APPROVED BY PTLIM DATE 2006/06/06	TITLE	0.50MM PITCH, FPC CONN. NON-ZIF, SMT		
	ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. SEE TABLE SIZE A 3	DOCUMENT NO.	SD-78127-001		

9 8 7 6 5 4 3 2 1

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TIN-BISMUTH PLATING TERMINAL ASSEMBLY PART NUMBERS

ASSY P/N PACKED IN T&R	ASSY P/N W/O PACKAGING	CKT	W	So	F	Bo	B	EMBOSSED TYPE
78127-1109	78127-0109	10	24.00	-	11.50	7.40	5.10	A
78127-1119	78127-0119	11	24.00	-	11.50	7.90	5.60	
78127-1129	78127-0129	12	24.00	-	11.50	8.40	6.10	
78127-1139	78127-0139	13	24.00	-	11.50	8.90	6.60	
78127-1149	78127-0149	14	24.00	-	11.50	9.40	7.10	
78127-1159	78127-0159	15	24.00	-	11.50	9.90	7.60	
78127-1169	78127-0169	16	24.00	-	11.50	10.40	8.10	
78127-1179	78127-0179	17	24.00	-	11.50	10.90	8.60	
78127-1189	78127-0189	18	24.00	-	11.50	11.40	9.10	
78127-1199	78127-0199	19	24.00	-	11.50	11.90	9.60	
78127-1209	78127-0209	20	24.00	-	11.50	12.40	10.10	B
78127-1219	78127-0219	21	32.00	28.40	14.20	12.90	10.60	
78127-1229	78127-0229	22	32.00	28.40	14.20	13.40	11.10	
78127-1239	78127-0239	23	32.00	28.40	14.20	13.90	11.60	
78127-1249	78127-0249	24	32.00	28.40	14.20	14.40	12.10	
78127-1259	78127-0259	25	32.00	28.40	14.20	14.90	12.60	
78127-1269	78127-0269	26	32.00	28.40	14.20	15.40	13.10	
78127-1279	78127-0279	27	32.00	28.40	14.20	15.90	13.60	
78127-1289	78127-0289	28	32.00	28.40	14.20	16.40	14.10	
78127-1299	78127-0299	29	32.00	28.40	14.20	16.90	14.60	
78127-1309	78127-0309	30	32.00	28.40	14.20	17.40	15.10	

ASSY P/N PACKED IN T&R	ASSY P/N W/O PACKAGING	CKT	W	So	F	Bo	B	EMBOSSED TYPE
78127-1319	78127-0319	31	32.00	28.40	14.20	17.90	15.60	B
78127-1329	78127-0329	32	32.00	28.40	14.20	18.40	16.10	
78127-1339	78127-0339	33	32.00	28.40	14.20	18.90	16.60	
78127-1349	78127-0349	34	32.00	28.40	14.20	19.40	17.10	
78127-1359	78127-0359	35	32.00	28.40	14.20	19.90	17.60	
78127-1369	78127-0369	36	32.00	28.40	14.20	20.40	18.10	
78127-1379	78127-0379	37	32.00	28.40	14.20	20.90	18.60	
78127-1389	78127-0389	38	32.00	28.40	14.20	21.40	19.10	
78127-1399	78127-0399	39	44.00	40.40	20.20	21.90	19.60	
78127-1409	78127-0409	40	44.00	40.40	20.20	22.40	20.10	

<b>REVISED</b> EC NO: I2013-0629 DRAWN: MORI SHITA 2012/11/30 CHKD: KAKIHASHI 2012/11/30 APPR: MORIKAWA 2012/12/11	<b>QUALITY SYMBOLS</b> 	<b>GENERAL TOLERANCES (UNLESS SPECIFIED)</b>		<b>DIMENSION STYLE</b> MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
				DRAWN BY YLQ1A0	DATE 2006/05/05	TITLE 0.50MM PITCH, FPC CONN. NON-ZIF, SMT		
				CHECKED BY BOKOK	DATE 2006/06/06	<b>molex</b>		
				APPROVED BY PTL IM	DATE 2006/06/06	MATERIAL NO. SEE TABLE	DOCUMENT NO. SD-78127-001	

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

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