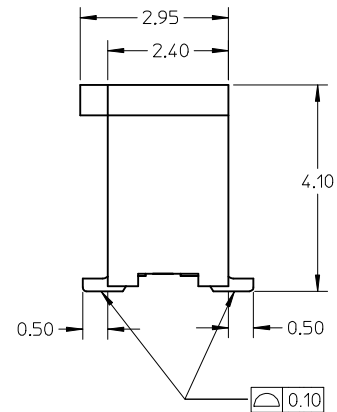
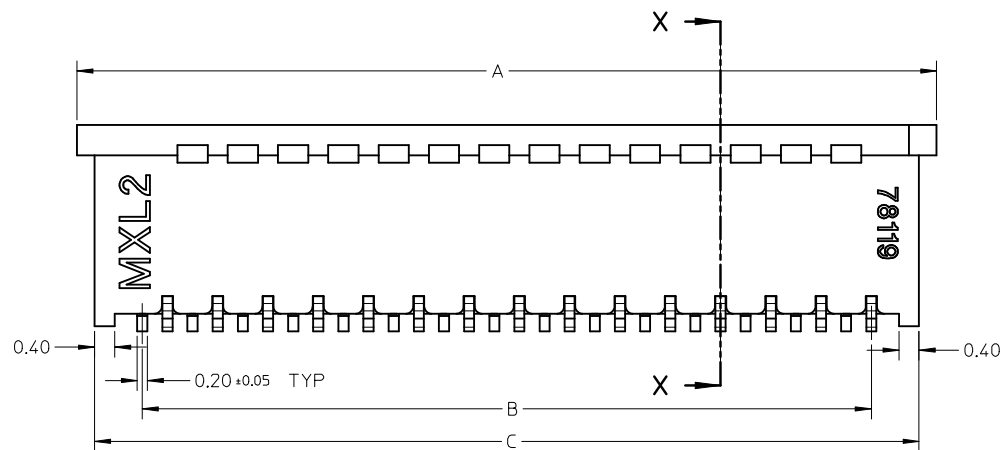
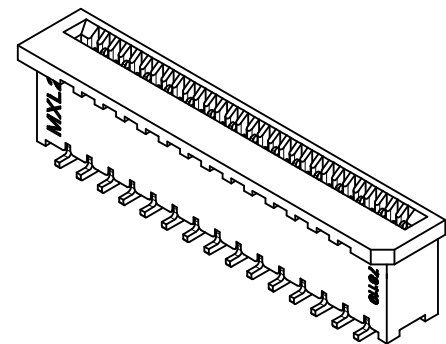
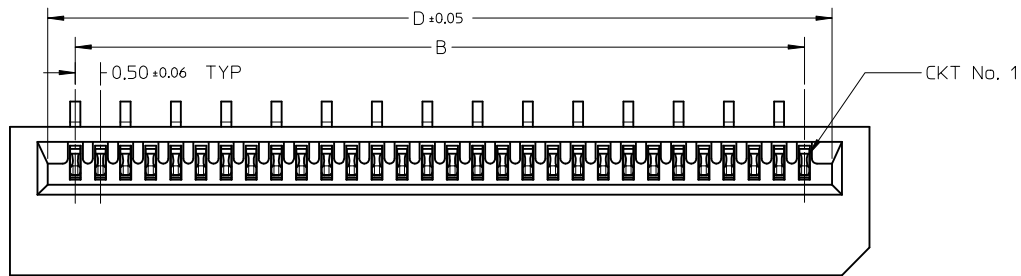


NOTE:

1. MATERIAL:

HOUSING: PA46 GLASS FILLED, UL94V-0, COLOR: NATURAL

TERMINAL: PHOSPHOR BRONZE

2. PLATING: 1) PARTIAL GOLD PLATING OVER NICKEL PLATING OVERALL

CONTACT POINT: 0.10 μm MINIMUM GOLD PLATING

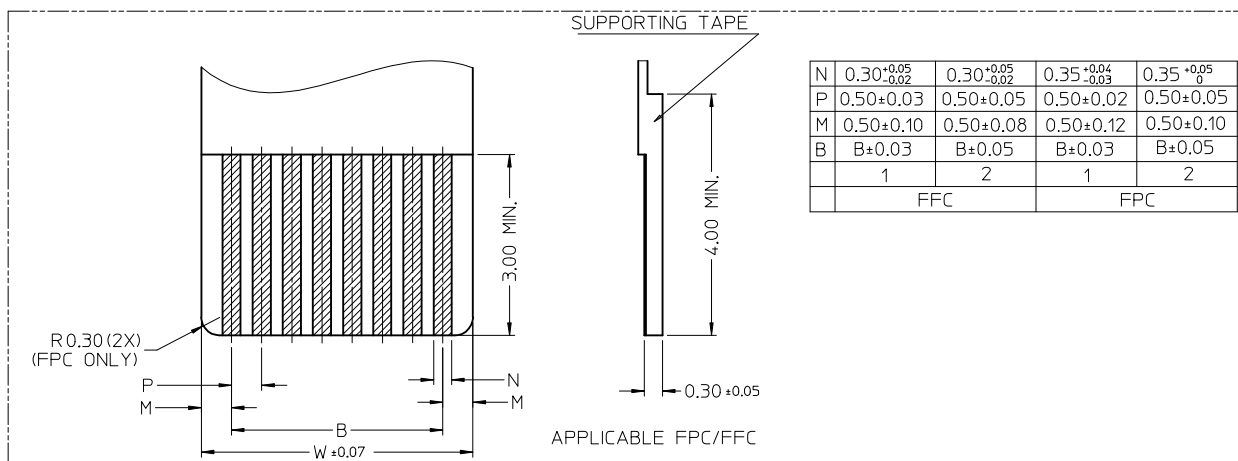
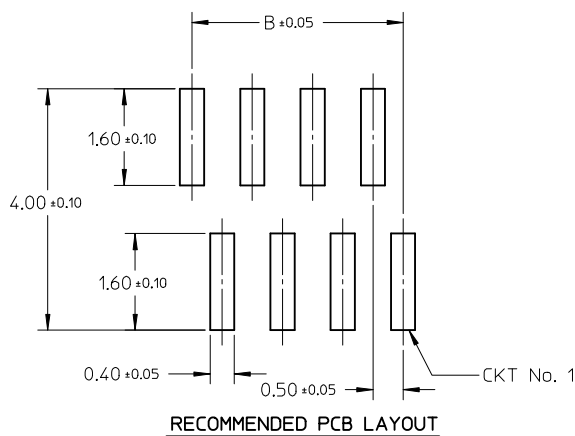
TAIL POINT :GOLD PLATING

2) 1-3 μm TIN-BISMUTH OVER NICKEL PLATING OVERALL

3. PRODUCT SPECIFICATION: PS-78119-001

4. PRODUCT ARE PACKED IN TAPE & REEL.

REVISED EC NO: J2013-1512 DRW: KAYOSHI 101 CHKD: K. TAKAHASHI APPR: Y. NOGAWA	DESCRIPTION REV	QUALITY SYMBOLS F_A=0 F_G=0 F_P=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
				mm	INCH	DRAWN BY YLQIAO	DATE 2006/04/11	TITLE 0.50MM PITCH, FPC CONN. NON-ZIF, SMT					
			4 PLACES	± ---	± ---	CHECKED BY BOKOK	DATE 2006/04/18						
			3 PLACES	± ---	± ---	APPROVED BY PTL IM		DATE 2006/04/18	molex				
			2 PLACES	± 0.15	± ---								
			1 PLACE	± ---	± ---	MATERIAL NO.		DOCUMENT NO.	SHEET NO. 1 OF 7				
			0 PLACE	±	±								
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			ANGULAR ± 3 °		SEE TABLE		SD-78119-001			
A4					SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							



N	0.30 ^{+0.05} _{-0.02}	0.30 ^{+0.05} _{-0.02}	0.35 ^{+0.04} _{-0.03}	0.35 ^{+0.05} ₀
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	

REVISED EC NO: J2013-1512 DRWN: KAWASHI 101 2013/06/12 CHKD: KATAHASHI 2013/06/12 APPR: YNOGAWA 2013/06/25	DESCRIPTION	QUALITY SYMBOLS ▽_F=0 ▽_G=0 ▽_P=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
				mm	INCH	DRAWN BY YLQIAO	DATE 2006/04/11	TITLE 0.50MM PITCH, FPC CONN. NON-ZIF, SMT					
			4 PLACES	± ---	± ---	CHECKED BY BOKOK	DATE 2006/04/18						
			3 PLACES	± ---	± ---	APPROVED BY PTLIM		DATE 2006/04/18	molex				
			2 PLACES	± 0.15	± ---								
1 PLACE	± ---	± ---	MATERIAL NO.		DOCUMENT NO.		SHEET NO.						
0 PLACE	±	±	SEE TABLE		SD-78119-001		2 OF 7						
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										

10 9 8 7 6 5 4 3 2 1

ELV & RoHS COMPLIANT

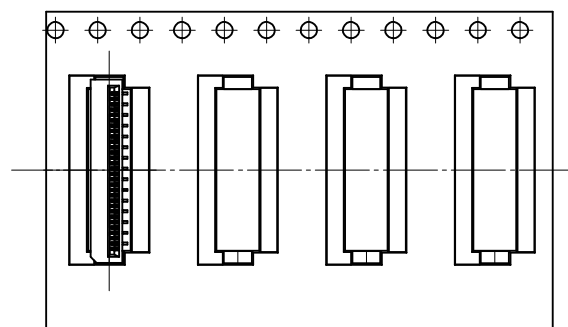
TIN-BISMUTH PLATING TERMINAL ASSEMBLY PART NUMBERS

ASSY P/N W/O PACKAGING	CKT	DIM A	DIM B	DIM C	DIM D	PLATING TYPE
78119-0109	10	7.10	4.50	6.40	5.60	2
78119-0119	11	7.60	5.00	6.90	6.10	
78119-0129	12	8.10	5.50	7.40	6.60	
78119-0139	13	8.60	6.00	7.90	7.10	
78119-0149	14	9.10	6.50	8.40	7.60	
78119-0159	15	9.60	7.00	8.90	8.10	
78119-0169	16	10.10	7.50	9.40	8.60	
78119-0179	17	10.60	8.00	9.90	9.10	
78119-0189	18	11.10	8.50	10.40	9.60	
78119-0199	19	11.60	9.00	10.90	10.10	
78119-0209	20	12.10	9.50	11.40	10.60	
78119-0219	21	12.60	10.00	11.90	11.10	
78119-0229	22	13.10	10.50	12.40	11.60	
78119-0239	23	13.60	11.00	12.90	12.10	
78119-0249	24	14.10	11.50	13.40	12.60	
78119-0259	25	14.60	12.00	13.90	13.10	
78119-0269	26	15.10	12.50	14.40	13.60	
78119-0279	27	15.60	13.00	14.90	14.10	
78119-0289	28	16.10	13.50	15.40	14.60	
78119-0299	29	16.60	14.00	15.90	15.10	
78119-0309	30	17.10	14.50	16.40	15.60	

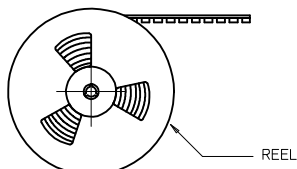
ASSY P/N W/O PACKAGING	CKT	DIM A	DIM B	DIM C	DIM D	PLATING TYPE
78119-0319	31	17.60	15.00	16.90	16.10	2
78119-0329	32	18.10	15.50	17.40	16.60	
78119-0339	33	18.60	16.00	17.90	17.10	
78119-0349	34	19.10	16.50	18.40	17.60	
78119-0359	35	19.60	17.00	18.90	18.10	
78119-0369	36	20.10	17.50	19.40	18.60	
78119-0379	37	20.60	18.00	19.90	19.10	
78119-0389	38	21.10	18.50	20.40	19.60	
78119-0399	39	21.60	19.00	20.90	20.10	
78119-0409	40	22.10	19.50	21.40	20.60	

REVISED EC NO: J2013-1512 DRWN:AYOSHI I01 CHKD:K TAKAHASHI APPR:YNOGAWA 2013/06/12 2013/06/12 2013/06/25	DESCRIPTION	QUALITY SYMBOLS ▽_A=0 ▽_C=0 ▽_P=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY YLQIAO	DATE 2006/04/11	TITLE 0.50MM PITCH, FPC CONN. NON-ZIF, SMT		
			4 PLACES	± ---	± ---	CHECKED BY BOKOK	DATE 2006/04/18			
			3 PLACES	± ---	± ---	APPROVED BY PTL IM	DATE 2006/04/18			
			2 PLACES	± 0.15	± ---	MATERIAL NO.			DOCUMENT NO.	SHEET NO.
			1 PLACE	± ---	± ---	SEE TABLE			SD-78119-001	4 OF 7
			0 PLACE	±	±	SIZE A3			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
			ANGULAR ± 3 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					

EMBOSSED TYPE A

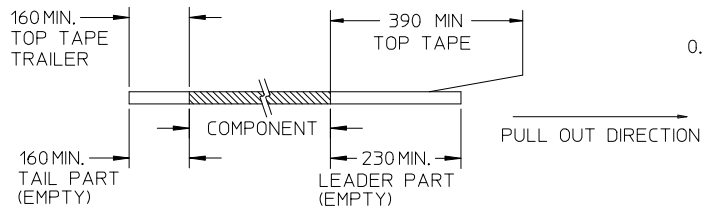
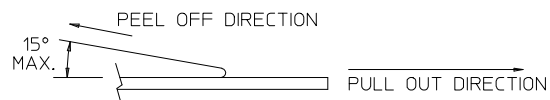


CUSTOMER
PULL OUT DIRECTION



NOTES:

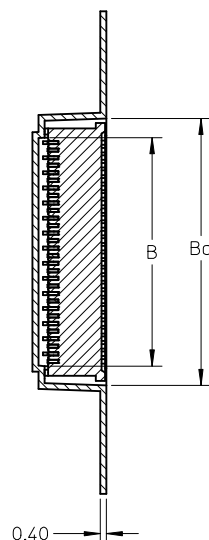
1. LEADER AND TRAILER TAPE

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

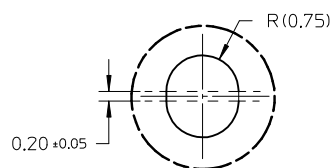
3. PACKAGING STANDARD IS AS PER EIA-481.

4. TAPE & REEL QUANTITY = 1000 PCS/REEL

SECTION Y-Y

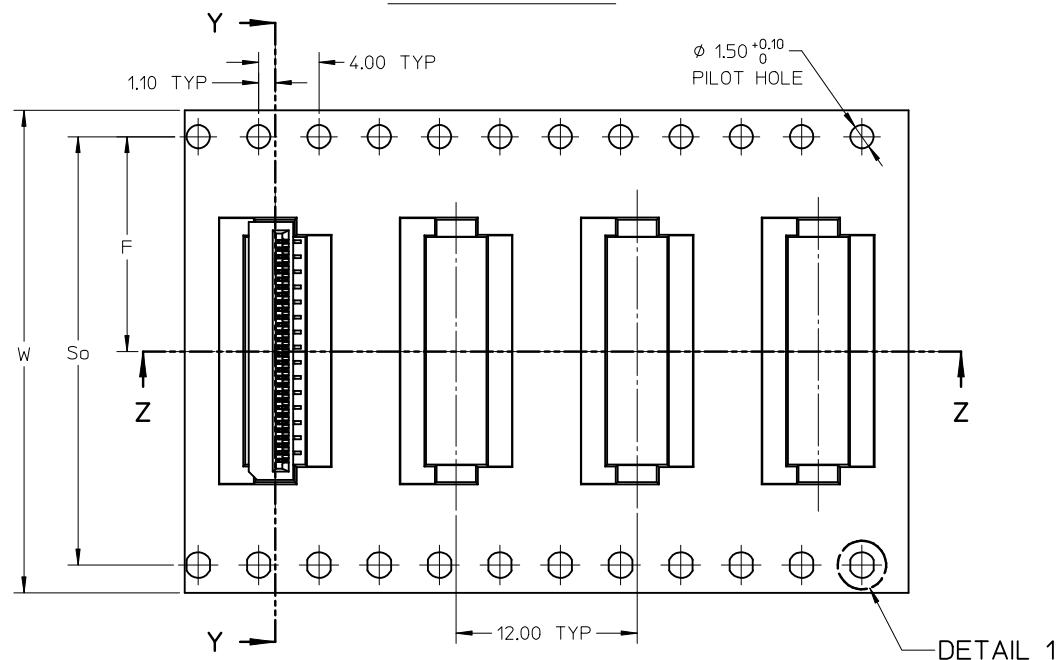


SECTION Y-Y

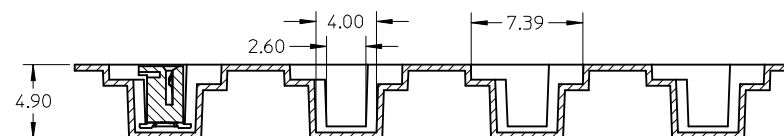


DETAIL 1

EMBOSSED TYPE B



DETAIL 1



SECTION Z-Z

REVISED	EC NO: J2013-1512	DRWN:AYOSHI/01	2013/06/12	CHKD:KATAHASHI	2013/06/12	APPR:YNOGAWA	2013/06/25	DESCRIPTION	REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		TITLE	DOCUMENT NO.	SHEET NO.		
														MM ONLY		NTS	METRIC	◎ □						
														DRAWN BY		DATE								
														CHECKED BY		DATE								
														APPROVED BY		DATE								
														MATERIAL NO.										
														SIZE										
			A3																					

10987654321

ELV & RoHS COMPLIANT

PARTIAL 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	EMBOSSSED TYPE
78119-1108	78119-0108	10	24.00	-	11.50	7.40	5.10	A
78119-1118	78119-0118	11	24.00	-	11.50	7.90	5.60	
78119-1128	78119-0128	12	24.00	-	11.50	8.40	6.10	
78119-1138	78119-0138	13	24.00	-	11.50	8.90	6.60	
78119-1148	78119-0148	14	24.00	-	11.50	9.40	7.10	
78119-1158	78119-0158	15	24.00	-	11.50	9.90	7.60	
78119-1168	78119-0168	16	24.00	-	11.50	10.40	8.10	
78119-1178	78119-0178	17	24.00	-	11.50	10.90	8.60	
78119-1188	78119-0188	18	24.00	-	11.50	11.40	9.10	
78119-1198	78119-0198	19	24.00	-	11.50	11.90	9.60	
78119-1208	78119-0208	20	24.00	-	11.50	12.40	10.10	B
78119-1218	78119-0218	21	32.00	28.40	14.20	12.90	10.60	
78119-1228	78119-0228	22	32.00	28.40	14.20	13.40	11.10	
78119-1238	78119-0238	23	32.00	28.40	14.20	13.90	11.60	
78119-1248	78119-0248	24	32.00	28.40	14.20	14.40	12.10	
78119-1258	78119-0258	25	32.00	28.40	14.20	14.90	12.60	
78119-1268	78119-0268	26	32.00	28.40	14.20	15.40	13.10	
78119-1278	78119-0278	27	32.00	28.40	14.20	15.90	13.60	
78119-1288	78119-0288	28	32.00	28.40	14.20	16.40	14.10	
78119-1298	78119-0298	29	32.00	28.40	14.20	16.90	14.60	
78119-1308	78119-0308	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	EMBOSSSED TYPE
78119-1318	78119-0318	31	32.00	28.40	14.20	17.90	15.60	B
78119-1328	78119-0328	32	32.00	28.40	14.20	18.40	16.10	
78119-1338	78119-0338	33	32.00	28.40	14.20	18.90	16.60	
78119-1348	78119-0348	34	32.00	28.40	14.20	19.40	17.10	
78119-1358	78119-0358	35	32.00	28.40	14.20	19.90	17.60	
78119-1368	78119-0368	36	32.00	28.40	14.20	20.40	18.10	
78119-1378	78119-0378	37	32.00	28.40	14.20	20.90	18.60	
78119-1388	78119-0388	38	32.00	28.40	14.20	21.40	19.10	
78119-1398	78119-0398	39	44.00	40.40	20.20	21.90	19.60	
78119-1408	78119-0408	40	44.00	40.40	20.20	22.40	20.10	

REVISED

EC NO: J2013-1512

DRW: NAYOSHI I 01

CHK: DK TAKAHASHI

APPR: YNOGAWA

2013/06/12

2013/06/12

2013/06/12

DESCRIPTION

QUALITY SYMBOLS

$F_A=0$

$F_G=0$

$F_P=0$

A4

REV

GENERAL TOLERANCES
(UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.15	± ---
1 PLACE	± ---	± ---
0 PLACE	±	±

ANGULAR ± 3 °

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE

MM ONLY

DRAWN BY	DATE
YLQIAO	2006/04/11
CHECKED BY	DATE
BOKOK	2006/04/18
APPROVED BY	DATE
PTL IM	2006/04/18

MATERIAL NO.

SEE TABLE

SCALE

NTS

DESIGN UNITS

METRIC

THIRD ANGLE
PROJECTION

TITLE

0.50MM PITCH, FPC CONN.
NON-ZIF, SMT

DOCUMENT NO.

SD-78119-001

SHEET NO.

6 OF 7

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

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Rev. G 2012/01/11

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ELV & RoHS COMPLIANT

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	EMBOSSSED TYPE
78119-1109	78119-0109	10	24.00	-	11.50	7.40	5.10	A
78119-1119	78119-0119	11	24.00	-	11.50	7.90	5.60	
78119-1129	78119-0129	12	24.00	-	11.50	8.40	6.10	
78119-1139	78119-0139	13	24.00	-	11.50	8.90	6.60	
78119-1149	78119-0149	14	24.00	-	11.50	9.40	7.10	
78119-1159	78119-0159	15	24.00	-	11.50	9.90	7.60	
78119-1169	78119-0169	16	24.00	-	11.50	10.40	8.10	
78119-1179	78119-0179	17	24.00	-	11.50	10.90	8.60	
78119-1189	78119-0189	18	24.00	-	11.50	11.40	9.10	
78119-1199	78119-0199	19	24.00	-	11.50	11.90	9.60	
78119-1209	78119-0209	20	24.00		11.50	12.40	10.10	B
78119-1219	78119-0219	21	32.00	28.40	14.20	12.90	10.60	
78119-1229	78119-0229	22	32.00	28.40	14.20	13.40	11.10	
78119-1239	78119-0239	23	32.00	28.40	14.20	13.90	11.60	
78119-1249	78119-0249	24	32.00	28.40	14.20	14.40	12.10	
78119-1259	78119-0259	25	32.00	28.40	14.20	14.90	12.60	
78119-1269	78119-0269	26	32.00	28.40	14.20	15.40	13.10	
78119-1279	78119-0279	27	32.00	28.40	14.20	15.90	13.60	
78119-1289	78119-0289	28	32.00	28.40	14.20	16.40	14.10	
78119-1299	78119-0299	29	32.00	28.40	14.20	16.90	14.60	
78119-1309	78119-0309	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	EMBOSSSED TYPE
78119-1319	78119-0319	31	32.00	28.40	14.20	17.90	15.60	B
78119-1329	78119-0329	32	32.00	28.40	14.20	18.40	16.10	
78119-1339	78119-0339	33	32.00	28.40	14.20	18.90	16.60	
78119-1349	78119-0349	34	32.00	28.40	14.20	19.40	17.10	
78119-1359	78119-0359	35	32.00	28.40	14.20	19.90	17.60	
78119-1369	78119-0369	36	32.00	28.40	14.20	20.40	18.10	
78119-1379	78119-0379	37	32.00	28.40	14.20	20.90	18.60	
78119-1389	78119-0389	38	32.00	28.40	14.20	21.40	19.10	
78119-1399	78119-0399	39	44.00	40.40	20.20	21.90	19.60	
78119-1409	78119-0409	40	44.00	40.40	20.20	22.40	20.10	

REVISED

EC NO: J2013-1512

DRW: NAYOSHI101

CHK: DKTAKAHASHI

APPR: YNOGAWA

2013/06/12

2013/06/12

2013/06/15

DESCRIPTION

QUALITY SYMBOLS

F_A=0

F_G=0

F_P=0

REV

GENERAL TOLERANCES
(UNLESS SPECIFIED)

mm

INCH

4 PLACES ± --- ± ---

3 PLACES ± --- ± ---

2 PLACES ± 0.15 ± ---

1 PLACE ± --- ± ---

0 PLACE ± ±

ANGULAR ± 3 °

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE

MM ONLY

DRAWN BY

DATE

CHECKED BY

DATE

APPROVED BY

DATE

MATERIAL NO.

DOCUMENT NO.

SIZE

A3

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

SCALE

NTS

DESIGN UNITS

METRIC

THIRD ANGLE
PROJECTION

0.50MM PITCH, FPC CONN.
NON-ZIF, SMT

molex

SD-78119-001

SHEET NO.

7 OF 7

ib_frame_A3_P_AM_T
Rev. G 2012/01/11

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