



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



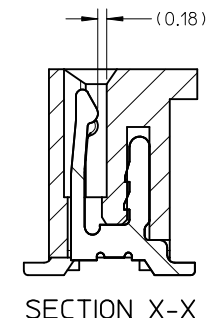
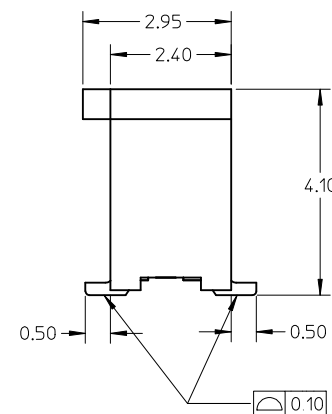
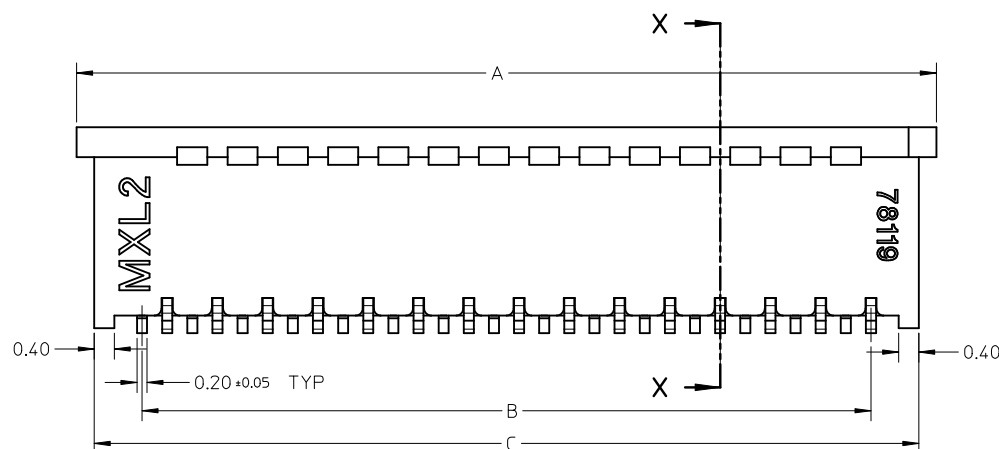
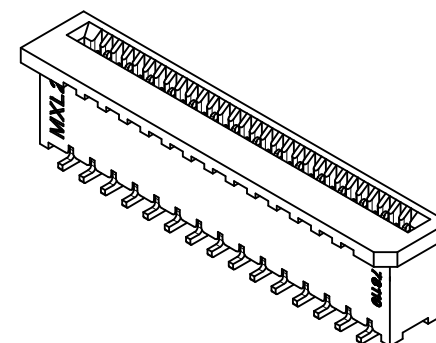
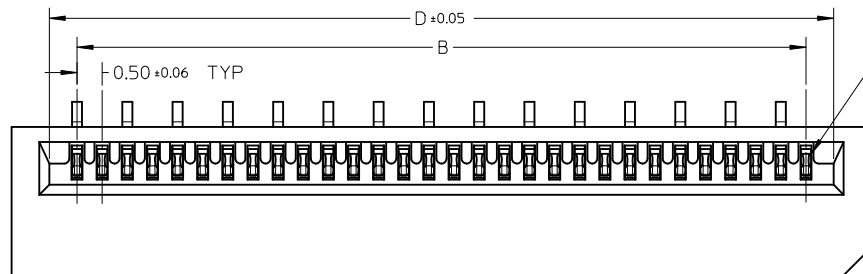
Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





NOTE:

1. MATERIAL:

HOUSING: PA46 GLASS FILLED, UL94V-0, COLOR: NATURAL
TERMINAL: COPPER ALLOY

2. PLATING: 1) 0.10 μ m MIN. GOLD PLATING OVER NICKEL PLATING OVERALL

2) 1-3 μ m TIN-BISMUTH OVER NICKEL PLATING OVERALL

3. PRODUCT SPECIFICATION: PS-78119-001

4. PRODUCT ARE PACKED IN TAPE & REEL.

REVISED	IEC NO: J2012-1253	2012/03/23
	DRW:KMIYAHARA	2012/03/26
	CHKD:KTAKAHASHI	2012/03/26
	APPR:KNORI/KAWA	2012/03/30
A3	REV	

QUALITY SYMBOLS
$\nabla = 0$
$\nabla \text{C} = 0$

GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	$\pm$ ---	$\pm$ ---
3 PLACES	$\pm$ ---	$\pm$ ---
2 PLACES	$\pm$ 0.15	$\pm$ ---
1 PLACE	$\pm$ ---	$\pm$ ---
ANGULAR $\pm$ 3 °		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
YLOIAO	2006/04/11
CHECKED BY	DATE
BOKOK	2006/04/18
APPROVED BY	DATE
PTLIM	2006/04/18
MATERIAL NO.	
SEE TABLE	
SIZE	
A3	

SCALE
NTS
DESIGN UNITS
METRIC
THIRD ANGLE PROJECTION

TITLE	
0.50MM PITCH, FPC CONN. NON-ZIF, SMT	
MOLEX INCORPORATED	
DOCUMENT NO.	SHEET NO.
SD-78119-001	1 OF 7

10 9 8 7 6 5 4 3 2 1

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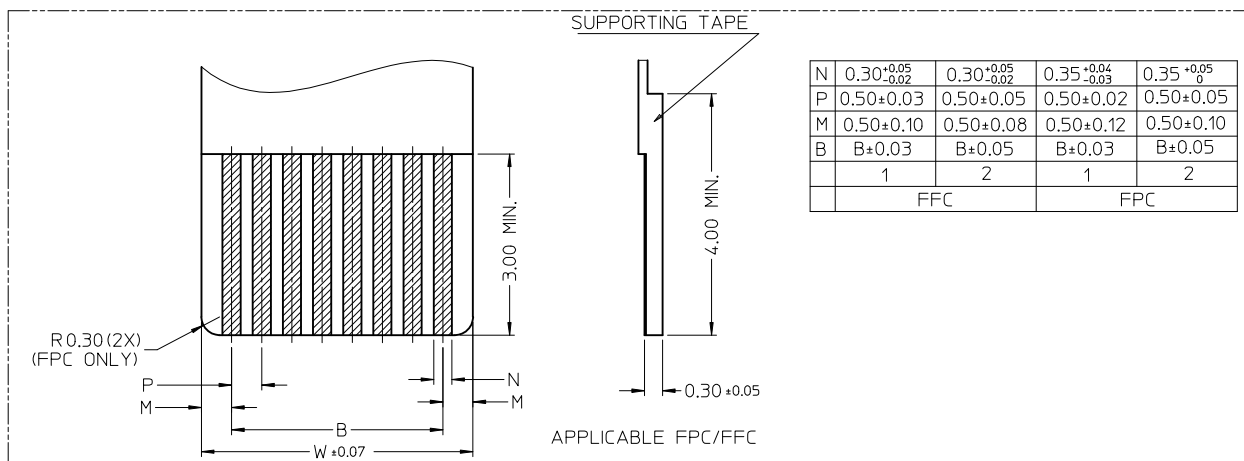
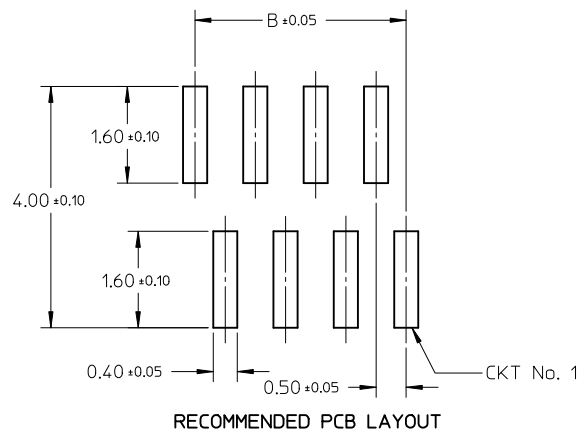
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N	0.30 ^{+0.05} _{-0.02}	0.30 ^{+0.05} _{-0.02}	0.35 ^{+0.04} _{-0.03}	0.35 ^{+0.05} ₀
P	0.50±0.03	0.50±0.05	0.50±0.02	0.50±0.05
M	0.50±0.10	0.50±0.08	0.50±0.12	0.50±0.10
B	B±0.03	B±0.05	B±0.03	B±0.05
	1	2	1	2
	FFC		FPC	

REVISED EC NO: J2012-1253 DRWN:KMIYAHARA 2012/03/23 CHKD:KTAHASHI 2012/03/26 APPR:KMORIKAWA 2012/03/30 A3	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 YLOIAO	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 INCORPORATED			
			2 PLACES	± 0.15	± ---	MATERIAL NO.					
1 PLACE	± ---	± ---	SEE TABLE		SD-78119-001		2 OF 7				
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				

9 8 7 6 5 4 3 2 1

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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
78119-0108	10	7.10	4.50	6.40	5.60	1
78119-0118	11	7.60	5.00	6.90	6.10	
78119-0128	12	8.10	5.50	7.40	6.60	
78119-0138	13	8.60	6.00	7.90	7.10	
78119-0148	14	9.10	6.50	8.40	7.60	
78119-0158	15	9.60	7.00	8.90	8.10	
78119-0168	16	10.10	7.50	9.40	8.60	
78119-0178	17	10.60	8.00	9.90	9.10	
78119-0188	18	11.10	8.50	10.40	9.60	
78119-0198	19	11.60	9.00	10.90	10.10	
78119-0208	20	12.10	9.50	11.40	10.60	
78119-0218	21	12.60	10.00	11.90	11.10	
78119-0228	22	13.10	10.50	12.40	11.60	
78119-0238	23	13.60	11.00	12.90	12.10	
78119-0248	24	14.10	11.50	13.40	12.60	
78119-0258	25	14.60	12.00	13.90	13.10	
78119-0268	26	15.10	12.50	14.40	13.60	
78119-0278	27	15.60	13.00	14.90	14.10	
78119-0288	28	16.10	13.50	15.40	14.60	
78119-0298	29	16.60	14.00	15.90	15.10	
78119-0308	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
78119-0318	31	17.60	15.00	16.90	16.10	1
78119-0328	32	18.10	15.50	17.40	16.60	
78119-0338	33	18.60	16.00	17.90	17.10	
78119-0348	34	19.10	16.50	18.40	17.60	
78119-0358	35	19.60	17.00	18.90	18.10	
78119-0368	36	20.10	17.50	19.40	18.60	
78119-0378	37	20.60	18.00	19.90	19.10	
78119-0388	38	21.10	18.50	20.40	19.60	
78119-0398	39	21.60	19.00	20.90	20.10	
78119-0408	40	22.10	19.50	21.40	20.60	

REVISED EC NO: J2012-1253 DRWN:KMIYAHARA 2012/03/23 CHKD:KTAHASHI 2012/03/26 APPR:KMORI KAWA 2012/03/30 A3	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
				mm	INCH	DRAWN BY YLOIAO	DATE 2006/04/11	TITLE 0.50MM PITCH, FPC CONN. NON-ZIF, SMT	
			4 PLACES	± ---	± ---	CHECKED BY	DATE		
			3 PLACES	± ---	± ---	BOKOK	2006/04/18		
			2 PLACES	± 0.15	± ---	APPROVED BY	DATE	MOLEX INCORPORATED	
			1 PLACE	± ---	± ---	PTLIM	2006/04/18		
			ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-78119-001		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

E

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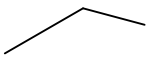
B

A

A

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: J2012-1253

DRWN: KMIYAHARA 2012/03/23

CHKD: K TAKAHASHI 2012/03/26

APPR: KMORI KAWA 2012/03/30

A3

DESCRIPTION

QUALITY SYMBOLS

▽=0

▽C=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

mm

INCH

4 PLACES

± ---

± ---

3 PLACES

± ---

± ---

2 PLACES

± 0.15

± ---

1 PLACE

± ---

± ---

ANGULAR ± 3 °

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE

MM ONLY

DRAWN BY

DATE

YLOIAO

2006/04/11

CHECKED BY

DATE

BOKOK

2006/04/18

APPROVED BY

DATE

PTLIM

2006/04/18

MATERIAL NO.

SEE TABLE

SIZE

A3

SCALE

NTS

DESIGN UNITS

METRIC

THIRD ANGLE PROJECTION

TITLE

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

DOCUMENT NO.

SD-78119-001

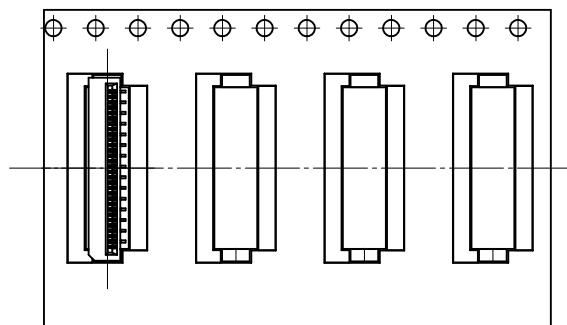
SHEET NO.

4 OF 7

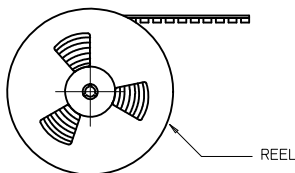
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INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

10 9 8 7 6 5 4 3 2 1

EMBOSSED TYPE A



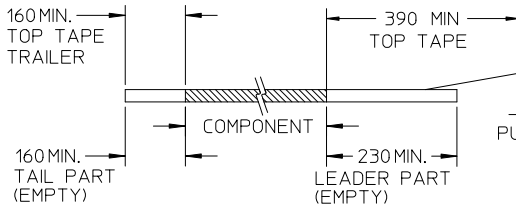
CUSTOMER
PULL OUT DIRECTION



REEL

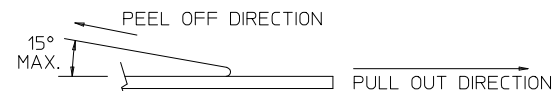
NOTES:

1. LEADER AND TRAILER TAPE



PULL OUT DIRECTION

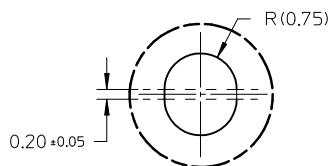
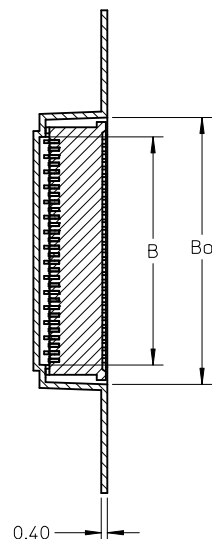
2. PEELING OFF FORCE OF THE TOP TAPE: 20-80gf.
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE)



3. PACKAGING STANDARD IS AS PER EIA-481.

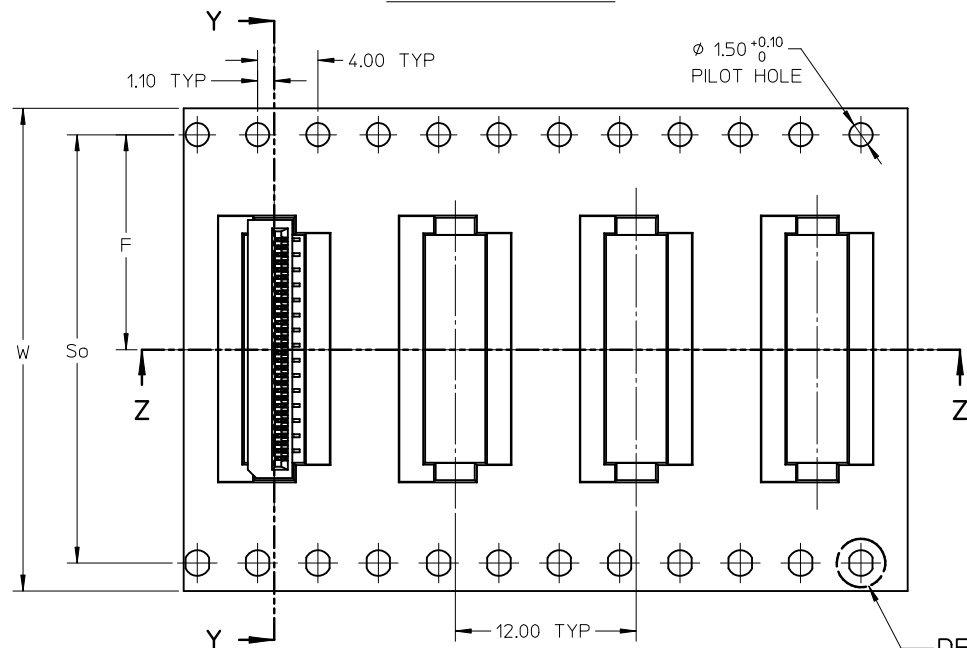
4. TAPE & REEL QUANTITY = 1000 PCS/REEL

SECTION Y-Y

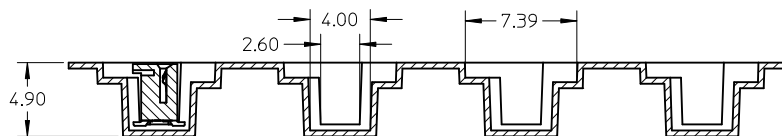


DETAIL 1

EMBOSSED TYPE B



DETAIL 1



SECTION Z-Z

REVISED EC NO: J2012-1253 DRW:KMIYAHARA 2012/03/23 CHKD:KATAHASHI 2012/03/26 APPR:KIMORI KAWA 2012/03/30 A3	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 YLOIAO	DATE 2006/04/11	TITLE 0.50MM PITCH, FPC CONN. NON-ZIF, SMT		
			4 PLACES	± ---	± ---	CHECKED BY	DATE			
			3 PLACES	± ---	± ---	BOKOK	2006/04/18			
			2 PLACES	± 0.15	± ---	APPROVED BY	DATE			
			1 PLACE	± ---	± ---	PTLIM	2006/04/18	 MOLEX INCORPORATED		
			ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-78119-001			
					SIZE A3		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 PACKED IN T&R	ASSY P/N W/O PACKAGING	CKT	W	So	F	Bo	B	EMBOSSED 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	EMBOSSED 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: J2012-1253
DRWN:KMIYAHARA 2012/03/23
CHKD:K TAKAHASHI 2012/03/26
APPR:KMORI KAWA 2012/03/30

DESCRIPTION
REV

QUALITY
SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES
(UNLESS SPECIFIED)
mm INCH
4 PLACES ± --- ± ---
3 PLACES ± --- ± ---
2 PLACES ± 0.15 ± ---
1 PLACE ± --- ± ---
ANGULAR ± 3 °
DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY
DRAWN BY YLQIAO
DATE 2006/04/11
CHECKED BY BOKOK
DATE 2006/04/18
APPROVED BY PTL IM
DATE 2006/04/18
MATERIAL NO.
SEE TABLE

SCALE
NTS
DESIGN UNITS
METRIC
THIRD ANGLE
PROJECTION
0.50MM PITCH, FPC CONN.
NON-ZIF, SMT
MOLEX INCORPORATED
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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