

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0781191148](#)
Status: **Active**
Overview: [ffc_fpc_smt](#)
Description: 0.50mm (.020") Pitch FFC/FPC Connector, SMT, Non ZIF, Vertical, Gold Plating, 14 Circuits, Lead Free

Documents:

[3D Model](#) [Product Specification PS-78119-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
UL E29179

General

Product Family FFC/FPC Connectors
Series [78119](#)
Overview [ffc_fpc_smt](#)
Product Name N/A

Physical

Circuits (Loaded) 14
Color - Resin Natural
Contact Position N/A
Durability (mating cycles max) 20
Entry Angle Vertical
Flammability 94V-0
Mated Height (in) 0.161 In
Mated Height (mm) 4.10 mm
Material - Metal Copper Alloy
Material - Plating Mating Gold, Nickel
Number of Rows 1
Orientation Vertical
PCB Locator No
PCB Retention None
Packaging Type Embossed Tape on Reel
Pitch - Mating Interface (in) 0.020 In
Pitch - Mating Interface (mm) 0.50 mm
Pitch - Term. Interface (in) 0.020 In
Pitch - Term. Interface (mm) 0.50 mm
Polarized to PCB No
Stackable No
Temperature Range - Operating -40°C to +85°C
Termination Interface: Style Surface Mount
Wire/Cable Type FFC/FPC

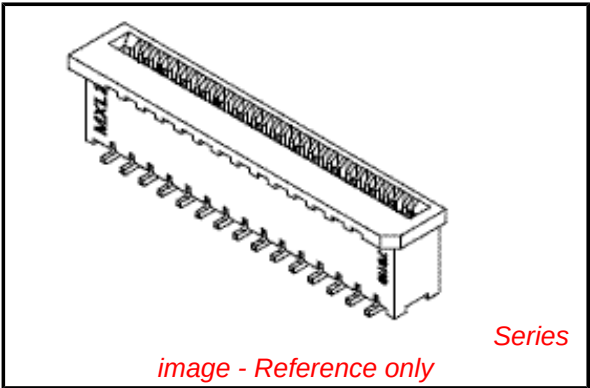
Electrical

Current - Maximum per Contact 0.5A
Voltage - Maximum 50V AC

Material Info

Reference - Drawing Numbers

Packaging Specification SPK-78119-001
Product Specification PS-78119-001
Sales Drawing SD-78119-001



EU RoHS

**ELV and RoHS
Compliant**
**REACH SVHC
Contains SVHC: No**
**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](#)

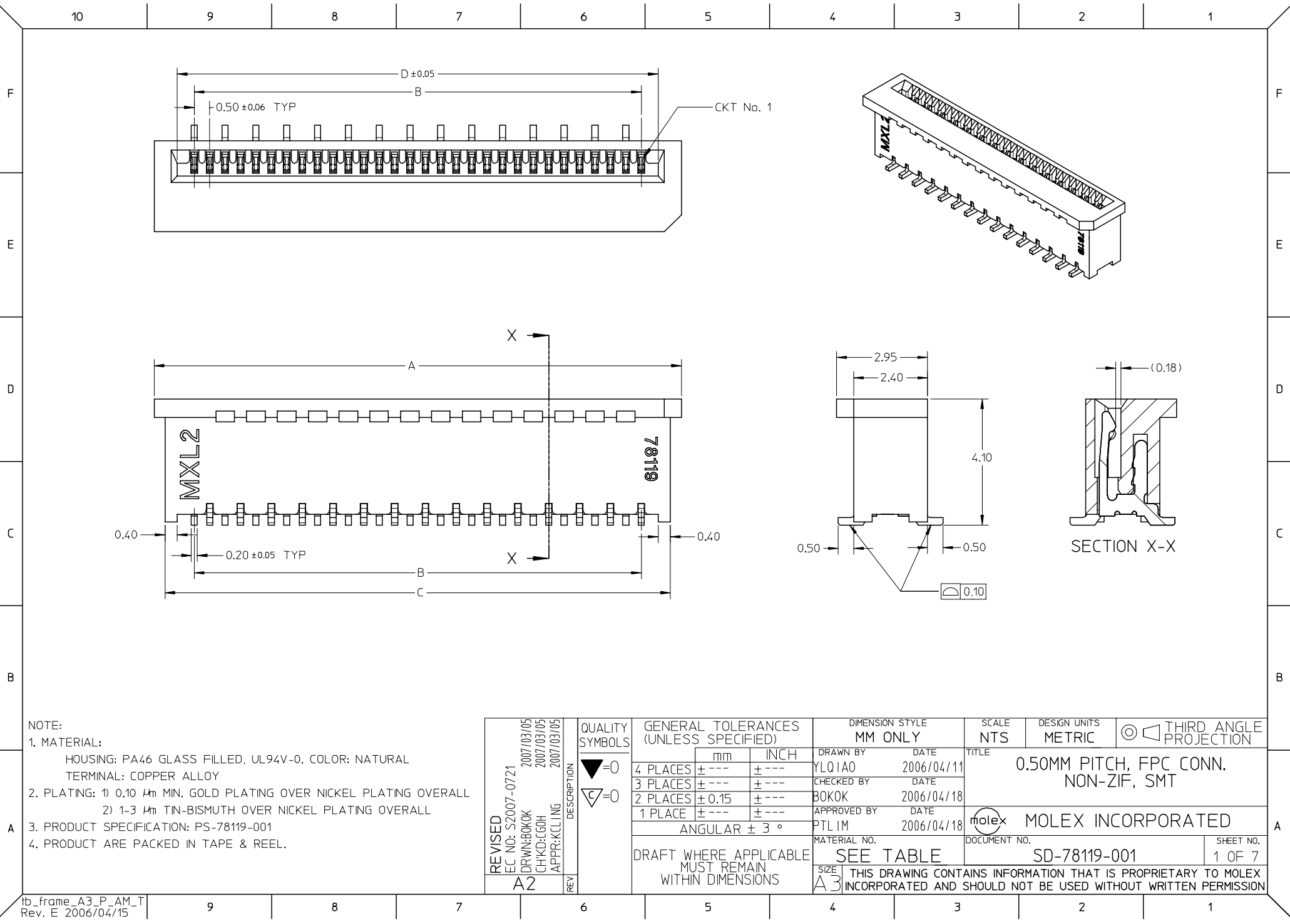
Please visit the [Contact Us](#) section for any
non-product compliance questions.

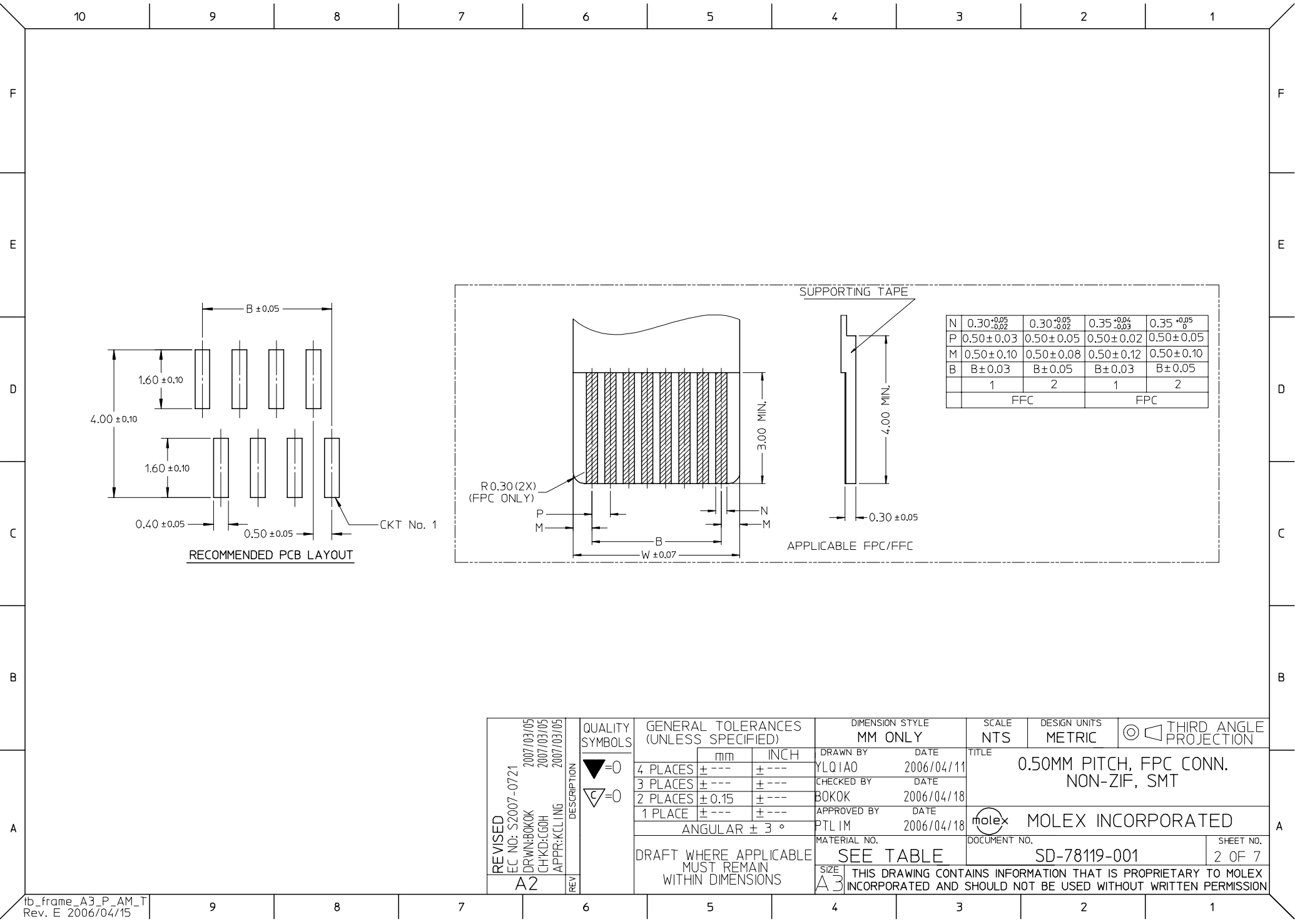
Search Parts in this Series
[78119Series](#)

Mates With
[Standard FFC/FPC Cables](#)

This document was generated on 06/07/2010

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GOLD PLATING TERMINAL ASSEMBLY PART NUMBERS

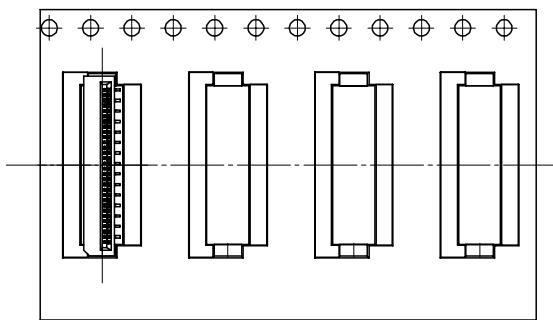
ASSY P/N W/O PACKAGING	CKT	DIM A	DIM B	DIM C	DIM D	PLATING TYPE
78119-0068	6	5.10	2.50	4.40	3.60	1
78119-0078	7	5.60	3.00	4.90	4.10	
78119-0088	8	6.10	3.50	5.40	4.60	
78119-0098	9	6.60	4.00	5.90	5.10	
78119-0108	10	7.10	4.50	6.40	5.60	
78119-0118	11	7.60	5.00	6.90	6.10	
78119-0128	12	8.10	5.50	7.40	6.60	
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	
78119-0418	41	22.60	20.00	21.90	21.10	
78119-0428	42	23.10	20.50	22.40	21.60	

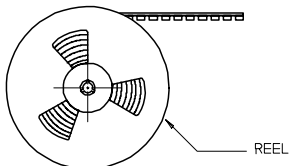
REVISED	EC NO: S2007-0721	2007/03/05	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
	DRWNBOKOK	2007/03/05				MM ONLY		NTS	METRIC		
	CHKD:GGH	2007/03/05				DRAWN BY DATE		TITLE		0.50MM PITCH, FPC CONN. NON-ZIF, SMT	
	APPR:KCLING	2007/03/05				2006/04/11					
A2	REV	▽=0	▽=0	▽=0	4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.15 ± --- 1 PLACE ± --- ± --- ANGULAR ± 3 °	DRAWN BY DATE		TITLE		0.50MM PITCH, FPC CONN. NON-ZIF, SMT	
						2006/04/11					
						CHECKED BY DATE		TITLE		0.50MM PITCH, FPC CONN. NON-ZIF, SMT	
						2006/04/18					
APPROVED BY DATE		TITLE		0.50MM PITCH, FPC CONN. NON-ZIF, SMT							
2006/04/18											
MATERIAL NO.		DOCUMENT NO.		SHEET NO.							
SEE TABLE		SD-78119-001		3 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					

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rowspan="30">2</td></tr><tr><td>78119-0079</td><td>7</td><td>5.60</td><td>3.00</td><td>4.90</td><td>4.10</td></tr><tr><td>78119-0089</td><td>8</td><td>6.10</td><td>3.50</td><td>5.40</td><td>4.60</td></tr><tr><td>78119-0099</td><td>9</td><td>6.60</td><td>4.00</td><td>5.90</td><td>5.10</td></tr><tr><td>78119-0109</td><td>10</td><td>7.10</td><td>4.50</td><td>6.40</td><td>5.60</td></tr><tr><td>78119-0119</td><td>11</td><td>7.60</td><td>5.00</td><td>6.90</td><td>6.10</td></tr><tr><td>78119-0129</td><td>12</td><td>8.10</td><td>5.50</td><td>7.40</td><td>6.60</td></tr><tr><td>78119-0139</td><td>13</td><td>8.60</td><td>6.00</td><td>7.90</td><td>7.10</td></tr><tr><td>78119-0149</td><td>14</td><td>9.10</td><td>6.50</td><td>8.40</td><td>7.60</td></tr><tr><td>78119-0159</td><td>15</td><td>9.60</td><td>7.00</td><td>8.90</td><td>8.10</td></tr><tr><td>78119-0169</td><td>16</td><td>10.10</td><td>7.50</td><td>9.40</td><td>8.60</td></tr><tr><td>78119-0179</td><td>17</td><td>10.60</td><td>8.00</td><td>9.90</td><td>9.10</td></tr><tr><td>78119-0189</td><td>18</td><td>11.10</td><td>8.50</td><td>10.40</td><td>9.60</td></tr><tr><td>78119-0199</td><td>19</td><td>11.60</td><td>9.00</td><td>10.90</td><td>10.10</td></tr><tr><td>78119-0209</td><td>20</td><td>12.10</td><td>9.50</td><td>11.40</td><td>10.60</td></tr><tr><td>78119-0219</td><td>21</td><td>12.60</td><td>10.00</td><td>11.90</td><td>11.10</td></tr><tr><td>78119-0229</td><td>22</td><td>13.10</td><td>10.50</td><td>12.40</td><td>11.60</td></tr><tr><td>78119-0239</td><td>23</td><td>13.60</td><td>11.00</td><td>12.90</td><td>12.10</td></tr><tr><td>78119-0249</td><td>24</td><td>14.10</td><td>11.50</td><td>13.40</td><td>12.60</td></tr><tr><td>78119-0259</td><td>25</td><td>14.60</td><td>12.00</td><td>13.90</td><td>13.10</td></tr><tr><td>78119-0269</td><td>26</td><td>15.10</td><td>12.50</td><td>14.40</td><td>13.60</td></tr><tr><td>78119-0279</td><td>27</td><td>15.60</td><td>13.00</td><td>14.90</td><td>14.10</td></tr><tr><td>78119-0289</td><td>28</td><td>16.10</td><td>13.50</td><td>15.40</td><td>14.60</td></tr><tr><td>78119-0299</td><td>29</td><td>16.60</td><td>14.00</td><td>15.90</td><td>15.10</td></tr><tr><td>78119-0309</td><td>30</td><td>17.10</td><td>14.50</td><td>16.40</td><td>15.60</td></tr></table>						ASSY 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A	<table><tr><td rowspan="3">REVISED EC NO: S2007-0721 DRWN:BOKOK CHKD:CGOH APPR:KCLING A2</td><td rowspan="3">2007/03/05 2007/03/05 2007/03/05</td><td rowspan="3">DESCRIPTION REV</td><td>QUALITY SYMBOLS</td><td>GENERAL TOLERANCES (UNLESS SPECIFIED)</td><td>DIMENSION STYLE</td><td>SCALE</td><td>DESIGN UNITS</td><td>THIRD ANGLE PROJECTION</td></tr><tr><td>▽=0 ▽=0</td><td>mm INCH</td><td>MM ONLY</td><td>NTS</td><td>METRIC</td><td></td></tr><tr><td colspan="2">4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.15 ± --- 1 PLACE ± --- ± --- ANGULAR ± 3 °</td><td>DRAWN BY DATE YLQIAO 2006/04/11 CHECKED BY DATE BOKOK 2006/04/18 APPROVED BY DATE PTL IM 2006/04/18</td><td>TITLE 0.50MM PITCH, FPC CONN. NON-ZIF, SMT</td><td>MATERIAL NO. SIZE A3</td><td>DOCUMENT NO. SD-78119-001</td><td>SHEET NO. 4 OF 7</td></tr><tr><td colspan="5">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</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>										REVISED EC NO: S2007-0721 DRWN:BOKOK CHKD:CGOH APPR:KCLING A2	2007/03/05 2007/03/05 2007/03/05	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	▽=0 ▽=0	mm INCH	MM ONLY	NTS	METRIC		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.15 ± --- 1 PLACE ± --- ± --- ANGULAR ± 3 °		DRAWN BY DATE YLQIAO 2006/04/11 CHECKED BY DATE BOKOK 2006/04/18 APPROVED BY DATE PTL IM 2006/04/18	TITLE 0.50MM PITCH, FPC CONN. NON-ZIF, SMT	MATERIAL NO. SIZE A3	DOCUMENT NO. SD-78119-001	SHEET NO. 4 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					A																																																																																																																																																																																																																
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EMBOSSED TYPE A



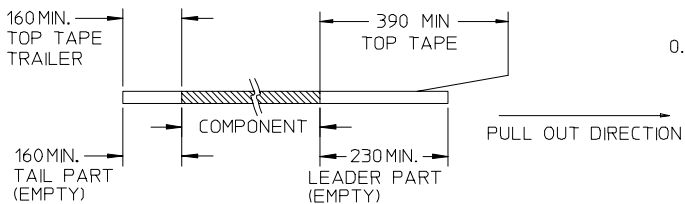
CUSTOMER
PULL OUT DIRECTION



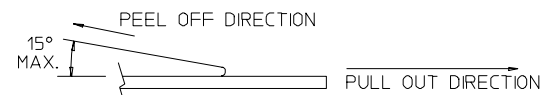
REEL

NOTES:

1. LEADER AND TRAILER TAPE

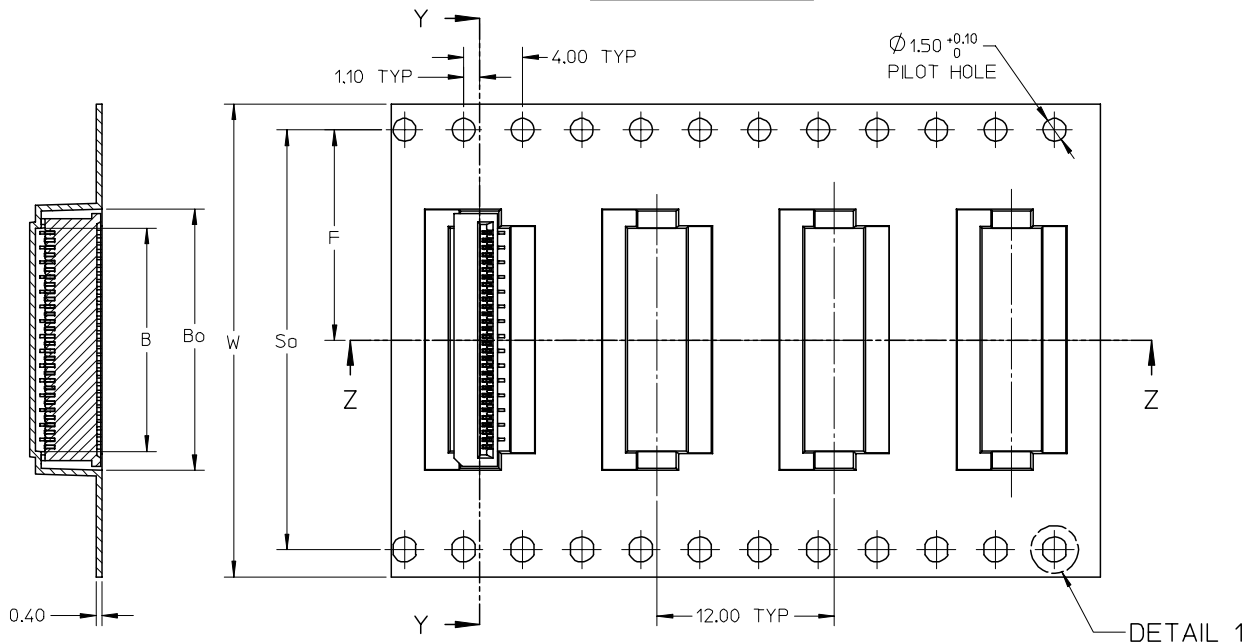


2. PEELING OFF FORCE OF THE TOP TAPE: 20-80gf.
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE)

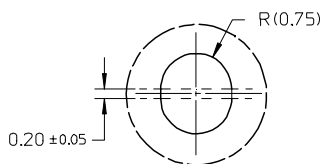


3. PACKAGING STANDARD IS AS PER EIA-481.
4. TAPE & REEL QUANTITY = 1000 PCS/REEL

EMBOSSED TYPE B

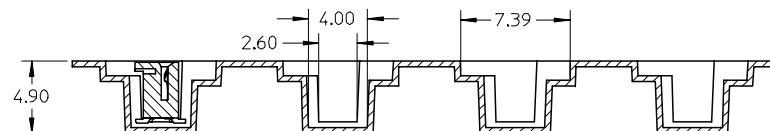


SECTION Y-Y



DETAIL 1

SECTION Z-Z



QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
▽=0 ∇=0		mm		INCH		DRAWN BY YLQ1A0		DATE 2006/04/11	
		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.	
		1 PLACE ± ---		± ---		SEE TABLE		SD-78119-001	
		ANGULAR ± 3 °				SHEET NO. 5 OF 7			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									

	10	9	8	7	6	5	4	3	2	1																																																																																																																																																																																																																		
F	GOLD PLATING TERMINAL ASSEMBLY PART NUMBERS										F																																																																																																																																																																																																																	
E	<table><tr><th>ASSY P/N PACKED IN T&R</th><th>ASSY P/N W/O PACKAGING</th><th>CKT</th><th>W</th><th>So</th><th>F</th><th>Bo</th><th>B</th><th>EMBOSSED TYPE</th></tr><tr><td>78119-1068</td><td>78119-0068</td><td>6</td><td>24.00</td><td>-</td><td>11.50</td><td>5.40</td><td>3.10</td><td rowspan="10">A</td></tr><tr><td>78119-1078</td><td>78119-0078</td><td>7</td><td>24.00</td><td>-</td><td>11.50</td><td>5.90</td><td>3.60</td></tr><tr><td>78119-1088</td><td>78119-0088</td><td>8</td><td>24.00</td><td>-</td><td>11.50</td><td>6.40</td><td>4.10</td></tr><tr><td>78119-1098</td><td>78119-0098</td><td>9</td><td>24.00</td><td>-</td><td>11.50</td><td>6.90</td><td>4.60</td></tr><tr><td>78119-1108</td><td>78119-0108</td><td>10</td><td>24.00</td><td>-</td><td>11.50</td><td>7.40</td><td>5.10</td></tr><tr><td>78119-1118</td><td>78119-0118</td><td>11</td><td>24.00</td><td>-</td><td>11.50</td><td>7.90</td><td>5.60</td></tr><tr><td>78119-1128</td><td>78119-0128</td><td>12</td><td>24.00</td><td>-</td><td>11.50</td><td>8.40</td><td>6.10</td></tr><tr><td>78119-1138</td><td>78119-0138</td><td>13</td><td>24.00</td><td>-</td><td>11.50</td><td>8.90</td><td>6.60</td></tr><tr><td>78119-1148</td><td>78119-0148</td><td>14</td><td>24.00</td><td>-</td><td>11.50</td><td>9.40</td><td>7.10</td></tr><tr><td>78119-1158</td><td>78119-0158</td><td>15</td><td>24.00</td><td>-</td><td>11.50</td><td>9.90</td><td>7.60</td></tr><tr><td>78119-1168</td><td>78119-0168</td><td>16</td><td>24.00</td><td>-</td><td>11.50</td><td>10.40</td><td>8.10</td><td rowspan="10">B</td></tr><tr><td>78119-1178</td><td>78119-0178</td><td>17</td><td>24.00</td><td>-</td><td>11.50</td><td>10.90</td><td>8.60</td></tr><tr><td>78119-1188</td><td>78119-0188</td><td>18</td><td>24.00</td><td>-</td><td>11.50</td><td>11.40</td><td>9.10</td></tr><tr><td>78119-1198</td><td>78119-0198</td><td>19</td><td>24.00</td><td>-</td><td>11.50</td><td>11.90</td><td>9.60</td></tr><tr><td>78119-1208</td><td>78119-0208</td><td>20</td><td>24.00</td><td>-</td><td>11.50</td><td>12.40</td><td>10.10</td></tr><tr><td>78119-1218</td><td>78119-0218</td><td>21</td><td>32.00</td><td>28.40</td><td>14.20</td><td>12.90</td><td>10.60</td></tr><tr><td>78119-1228</td><td>78119-0228</td><td>22</td><td>32.00</td><td>28.40</td><td>14.20</td><td>13.40</td><td>11.10</td></tr><tr><td>78119-1238</td><td>78119-0238</td><td>23</td><td>32.00</td><td>28.40</td><td>14.20</td><td>13.90</td><td>11.60</td></tr><tr><td>78119-1248</td><td>78119-0248</td><td>24</td><td>32.00</td><td>28.40</td><td>14.20</td><td>14.40</td><td>12.10</td></tr><tr><td>78119-1258</td><td>78119-0258</td><td>25</td><td>32.00</td><td>28.40</td><td>14.20</td><td>14.90</td><td>12.60</td></tr><tr><td>78119-1268</td><td>78119-0268</td><td>26</td><td>32.00</td><td>28.40</td><td>14.20</td><td>15.40</td><td>13.10</td></tr><tr><td>78119-1278</td><td>78119-0278</td><td>27</td><td>32.00</td><td>28.40</td><td>14.20</td><td>15.90</td><td>13.60</td></tr><tr><td>78119-1288</td><td>78119-0288</td><td>28</td><td>32.00</td><td>28.40</td><td>14.20</td><td>16.40</td><td>14.10</td></tr><tr><td>78119-1298</td><td>78119-0298</td><td>29</td><td>32.00</td><td>28.40</td><td>14.20</td><td>16.90</td><td>14.60</td></tr><tr><td>78119-1308</td><td>78119-0308</td><td>30</td><td>32.00</td><td>28.40</td><td>14.20</td><td>17.40</td><td>15.10</td></tr></table>								ASSY P/N PACKED IN T&R	ASSY P/N W/O PACKAGING	CKT	W	So	F	Bo	B	EMBOSSED TYPE	78119-1068	78119-0068	6	24.00	-	11.50	5.40	3.10	A	78119-1078	78119-0078	7	24.00	-	11.50	5.90	3.60	78119-1088	78119-0088	8	24.00	-	11.50	6.40	4.10	78119-1098	78119-0098	9	24.00	-	11.50	6.90	4.60	78119-1108	78119-0108	10	24.00	-	11.50	7.40	5.10	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	B	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	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	E
ASSY P/N PACKED IN T&R	ASSY P/N W/O PACKAGING	CKT	W	So	F	Bo	B	EMBOSSED TYPE																																																																																																																																																																																																																				
78119-1068	78119-0068	6	24.00	-	11.50	5.40	3.10	A																																																																																																																																																																																																																				
78119-1078	78119-0078	7	24.00	-	11.50	5.90	3.60																																																																																																																																																																																																																					
78119-1088	78119-0088	8	24.00	-	11.50	6.40	4.10																																																																																																																																																																																																																					
78119-1098	78119-0098	9	24.00	-	11.50	6.90	4.60																																																																																																																																																																																																																					
78119-1108	78119-0108	10	24.00	-	11.50	7.40	5.10																																																																																																																																																																																																																					
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	B																																																																																																																																																																																																																				
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																																																																																																																																																																																																																					
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																																																																																																																																																																																																																					
D	<table><tr><th>ASSY P/N PACKED IN T&R</th><th>ASSY P/N W/O PACKAGING</th><th>CKT</th><th>W</th><th>So</th><th>F</th><th>Bo</th><th>B</th><th>EMBOSSED TYPE</th></tr><tr><td>78119-1318</td><td>78119-0318</td><td>31</td><td>32.00</td><td>28.40</td><td>14.20</td><td>17.90</td><td>15.60</td><td rowspan="10">B</td></tr><tr><td>78119-1328</td><td>78119-0328</td><td>32</td><td>32.00</td><td>28.40</td><td>14.20</td><td>18.40</td><td>16.10</td></tr><tr><td>78119-1338</td><td>78119-0338</td><td>33</td><td>32.00</td><td>28.40</td><td>14.20</td><td>18.90</td><td>16.60</td></tr><tr><td>78119-1348</td><td>78119-0348</td><td>34</td><td>32.00</td><td>28.40</td><td>14.20</td><td>19.40</td><td>17.10</td></tr><tr><td>78119-1358</td><td>78119-0358</td><td>35</td><td>32.00</td><td>28.40</td><td>14.20</td><td>19.90</td><td>17.60</td></tr><tr><td>78119-1368</td><td>78119-0368</td><td>36</td><td>32.00</td><td>28.40</td><td>14.20</td><td>20.40</td><td>18.10</td></tr><tr><td>78119-1378</td><td>78119-0378</td><td>37</td><td>32.00</td><td>28.40</td><td>14.20</td><td>20.90</td><td>18.60</td></tr><tr><td>78119-1388</td><td>78119-0388</td><td>38</td><td>32.00</td><td>28.40</td><td>14.20</td><td>21.40</td><td>19.10</td></tr><tr><td>78119-1398</td><td>78119-0398</td><td>39</td><td>44.00</td><td>40.40</td><td>20.20</td><td>21.90</td><td>19.60</td></tr><tr><td>78119-1408</td><td>78119-0408</td><td>40</td><td>44.00</td><td>40.40</td><td>20.20</td><td>22.40</td><td>20.10</td></tr><tr><td>78119-1418</td><td>78119-0418</td><td>41</td><td>44.00</td><td>40.40</td><td>20.20</td><td>22.90</td><td>20.60</td><td rowspan="2">D</td></tr><tr><td>78119-1428</td><td>78119-0428</td><td>42</td><td>44.00</td><td>40.40</td><td>20.20</td><td>23.40</td><td>21.10</td></tr></table>								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	78119-1418	78119-0418	41	44.00	40.40	20.20	22.90	20.60	D	78119-1428	78119-0428	42	44.00	40.40	20.20	23.40	21.10	D																																																																																																								
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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																																																																																																																																																																																																																					
78119-1418	78119-0418	41	44.00	40.40	20.20	22.90	20.60	D																																																																																																																																																																																																																				
78119-1428	78119-0428	42	44.00	40.40	20.20	23.40	21.10																																																																																																																																																																																																																					
C											C																																																																																																																																																																																																																	
B											B																																																																																																																																																																																																																	
A	<table><tr><td rowspan="10">REVISED EC NO: S2007-0721 DRWN:BOKOK CHKD:CGOH APPR:KCLING 2007/03/05 2007/03/05 2007/03/05</td><td rowspan="10">DESCRIPTION REV</td><td rowspan="4">QUALITY SYMBOLS ▽=0 ▽C=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" rowspan="5"> THIRD ANGLE PROJECTION</td></tr><tr><td rowspan="2">4 PLACES</td><td rowspan="7">± ---</td><td rowspan="2">± ---</td><td rowspan="2">DRAWN BY YLQIAO</td><td rowspan="2">DATE 2006/04/11</td><td colspan="3" rowspan="2">0.50MM PITCH, FPC CONN. NON-ZIF, SMT</td></tr><tr></tr><tr><td colspan="2">3 PLACES</td><td>± ---</td><td>± ---</td><td rowspan="2">CHECKED BY BOKOK</td><td rowspan="2">DATE 2006/04/18</td><td colspan="3" rowspan="2">MOLEX INCORPORATED</td></tr><tr><td colspan="2">2 PLACES</td><td>± 0.15</td><td>± ---</td></tr><tr><td colspan="2">1 PLACE</td><td>± ---</td><td>± ---</td><td rowspan="2">APPROVED BY PTL IM</td><td rowspan="2">DATE 2006/04/18</td><td colspan="3" rowspan="2">SD-78119-001</td></tr><tr><td colspan="3">ANGULAR ± 3 °</td><td rowspan="2">MATERIAL NO.</td><td rowspan="2">DOCUMENT NO.</td><td rowspan="3">SHEET NO. 6 OF 7</td></tr><tr><td colspan="3">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td><td colspan="3">SEE TABLE</td></tr><tr><td colspan="3">SIZE A3</td><td colspan="6">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td></tr></table>										REVISED EC NO: S2007-0721 DRWN:BOKOK CHKD:CGOH APPR:KCLING 2007/03/05 2007/03/05 2007/03/05	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		4 PLACES	± ---	± ---	DRAWN BY YLQIAO	DATE 2006/04/11	0.50MM PITCH, FPC CONN. NON-ZIF, SMT			3 PLACES		± ---	± ---	CHECKED BY BOKOK	DATE 2006/04/18	MOLEX INCORPORATED			2 PLACES		± 0.15	± ---	1 PLACE		± ---	± ---	APPROVED BY PTL IM	DATE 2006/04/18	SD-78119-001			ANGULAR ± 3 °			MATERIAL NO.	DOCUMENT NO.	SHEET NO. 6 OF 7	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						A																																																																																																																																																			
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		tb_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	TIN-BISMUTH PLATING TERMINAL ASSEMBLY PART NUMBERS										F																																																						
E	ASSY P/N PACKED IN T&R	ASSY P/N W/O PACKAGING	CKT	W	So	F	Bo	B	EMBOSSED TYPE	ASSY P/N PACKED IN T&R	ASSY P/N W/O PACKAGING	CKT	W	So	F	Bo	B	EMBOSSED TYPE	B																																														
	78119-1069	78119-0069	6	24.00	-	11.50	5.40	3.10	A	78119-1319	78119-0319	31	32.00	28.40	14.20	17.90	15.60																																																
	78119-1079	78119-0079	7	24.00	-	11.50	5.90	3.60		78119-1329	78119-0329	32	32.00	28.40	14.20	18.40	16.10																																																
	78119-1089	78119-0089	8	24.00	-	11.50	6.40	4.10		78119-1339	78119-0339	33	32.00	28.40	14.20	18.90	16.60																																																
	78119-1099	78119-0099	9	24.00	-	11.50	6.90	4.60		78119-1349	78119-0349	34	32.00	28.40	14.20	19.40	17.10																																																
	78119-1109	78119-0109	10	24.00	-	11.50	7.40	5.10		78119-1359	78119-0359	35	32.00	28.40	14.20	19.90	17.60																																																
	78119-1119	78119-0119	11	24.00	-	11.50	7.90	5.60		78119-1369	78119-0369	36	32.00	28.40	14.20	20.40	18.10																																																
	78119-1129	78119-0129	12	24.00	-	11.50	8.40	6.10		78119-1379	78119-0379	37	32.00	28.40	14.20	20.90	18.60																																																
	78119-1139	78119-0139	13	24.00	-	11.50	8.90	6.60		78119-1389	78119-0389	38	32.00	28.40	14.20	21.40	19.10																																																
	78119-1149	78119-0149	14	24.00	-	11.50	9.40	7.10		78119-1399	78119-0399	39	44.00	40.40	20.20	21.90	19.60																																																
D	78119-1159	78119-0159	15	24.00	-	11.50	9.90	7.60		B	78119-1409	78119-0409	40	44.00	40.40	20.20	22.40		20.10																																														
	78119-1169	78119-0169	16	24.00	-	11.50	10.40	8.10	78119-1419		78119-0419	41	44.00	40.40	20.20	22.90	20.60																																																
	78119-1179	78119-0179	17	24.00	-	11.50	10.90	8.60	78119-1429		78119-0429	42	44.00	40.40	20.20	23.40	21.10																																																
	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																																																									
	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																																																									
C	78119-1259	78119-0259	25	32.00	28.40	14.20	14.90	12.60	B																																																								
	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																																																									
B																																																																	
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<div>REVISED EC NO: S2007-0721 DRAWN:BOKOK CHKD:CGOH APPR:KCLING A2</div> <div>2007/03/05 2007/03/05 2007/03/05</div> <div>DESCRIPTION</div> <div>REV</div>											<div>QUALITY SYMBOLS</div> <div>▽=0</div> <div>▽=0</div>											<div>GENERAL TOLERANCES (UNLESS SPECIFIED)</div> <div>mmINCH</div> <div>4 PLACES ± --- ± ---</div> <div>3 PLACES ± --- ± ---</div> <div>2 PLACES ± 0.15 ± ---</div> <div>1 PLACE ± --- ± ---</div> <div>ANGULAR ± 3 °</div> <div>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</div>											<div>DIMENSION STYLE MM ONLY</div> <div>DRAWN BY YLQIAO</div> <div>DATE 2006/04/11</div> <div>CHECKED BY BOKOK</div> <div>DATE 2006/04/18</div> <div>APPROVED BY PTLIM</div> <div>DATE 2006/04/18</div> <div>MATERIAL NO.</div> <div>SEE TABLE</div> <div>SIZE A3</div> <div>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</div>											<div>SCALE NTS</div> <div>TITLE 0.50MM PITCH, FPC CONN. NON-ZIF, SMT</div> <div>MOLEX MOLEX INCORPORATED</div> <div>DOCUMENT NO. SD-78119-001</div> <div>SHEET NO. 7 OF 7</div>											<div>DESIGN UNITS METRIC</div> <div>THIRD ANGLE PROJECTION</div>										
tb_frame_A3_P_AM_T Rev. E 2006/04/15	9	8	7	6	5	4	3	2	1																																																								

REVISED
EC NO: S2007-0721
DRWN:BOKOK
CHKD:CGOH
APPR:KCLING
2007/03/05
2007/03/05
2007/03/05

DESCRIPTION
REV

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
YLQIAO 2006/04/11
CHECKED BY DATE
BOKOK 2006/04/18
APPROVED BY DATE
PTL IM 2006/04/18
MATERIAL NO.
SIZE
A3

SCALE
NTS

DESIGN UNITS
METRIC

THIRD ANGLE PROJECTION

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

MOLEX INCORPORATED

SD-78119-001

SHEET NO.
7 OF 7

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