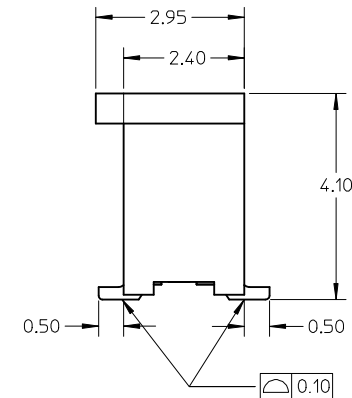
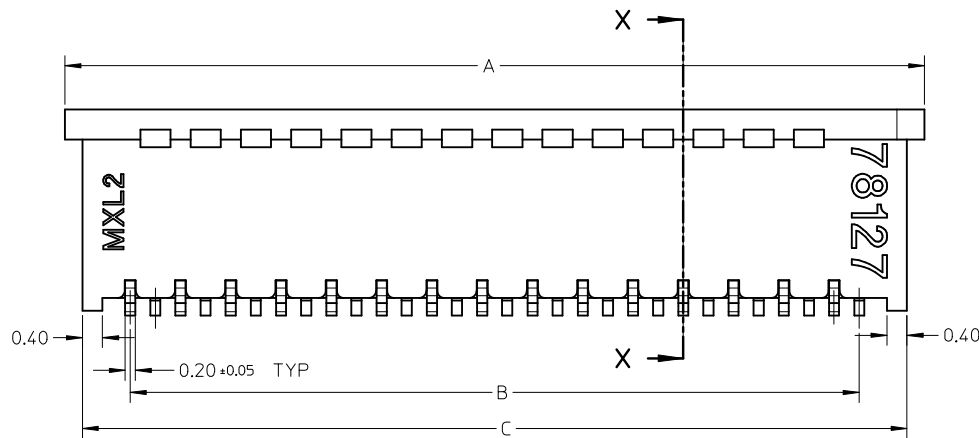
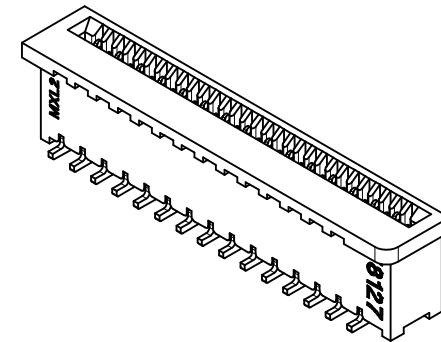
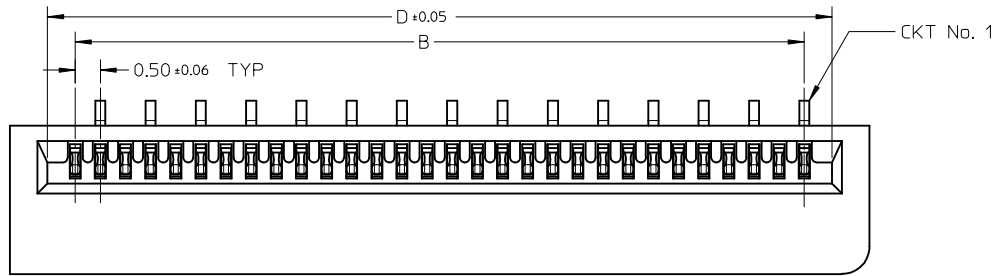


NOTE:

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 PLATING OVER NICKEL PLATING OVERALL

3. PRODUCT SPECIFICATION: PS-78119-001

4. PRODUCT ARE PACKED IN TAPE & REEL.

REVISED	EC NO: J2013-0629 DRWN: TMORI SHI TA 2012/11/30 CHKD: K TAKAHASHI 2012/11/30 APPR: KMORI KAWA 2012/12/11	DESCRIPTION	QUALITY SYMBOLS F_A=0 F_C=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 2006/05/05	TITLE 0.50MM PITCH, FPC CONN. NON-ZIF, SMT				
							CHECKED BY BOKOK	DATE 2006/06/06					
							APPROVED BY PTLIM	DATE 2006/06/06	molex				
REV	B			ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-78127-001		1 OF 7			
SIZE 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

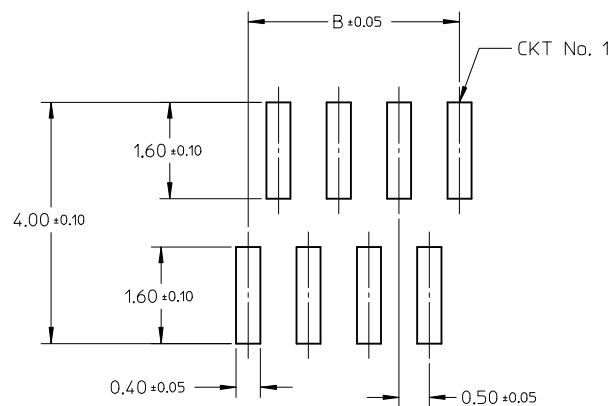
E

D

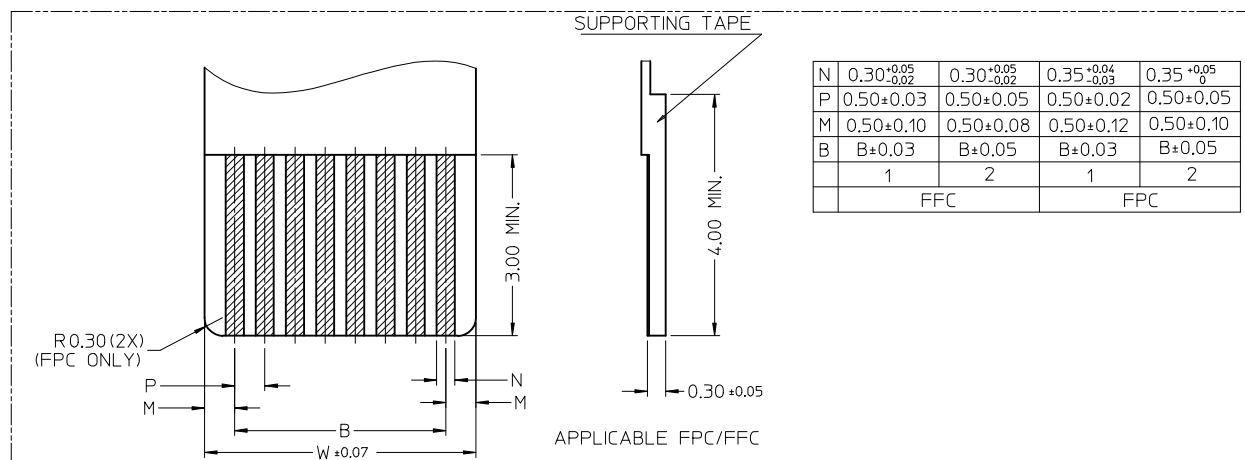
C

B

A



RECOMMENDED PCB LAYOUT

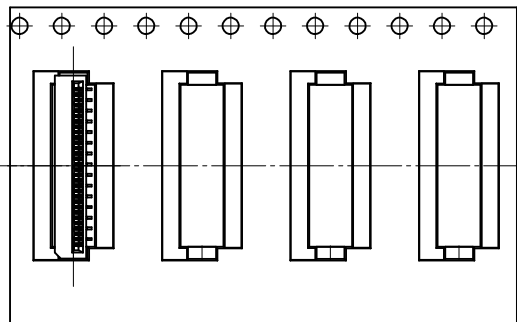


N	0.30 ^{+0.05} _{-0.02}	0.30 ^{+0.05} _{-0.02}	0.35 ^{+0.04} _{-0.03}	0.35 ^{+0.05} ₀
P	0.50±0.03	0.50±0.05	0.50±0.02	0.50±0.05
M	0.50±0.10	0.50±0.08	0.50±0.12	0.50±0.10
B	B±0.03	B±0.05	B±0.03	B±0.05
	1	2	1	2
	FFC		FPC	

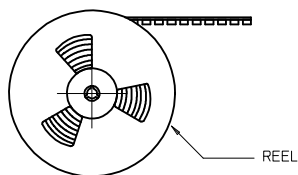
REVISED EC NO: J2013-0629 DRWN: TMORI/SHITA 2012/11/30 CHKD: K TAKAHASHI 2012/11/30 APPR: KMORI/KAWA 2012/12/11	DESCRIPTION REV	QUALITY SYMBOLS F_A=0 F_B=0 F_C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
				mm	INCH	DRAWN BY YLQIAO	DATE 2006/05/05	TITLE 0.50MM PITCH, FPC CONN. NON-ZIF, SMT					
			4 PLACES	± ---	± ---	CHECKED BY BOKOK	DATE 2006/06/06						
			3 PLACES	± ---	± ---	APPROVED BY PTL IM		DATE 2006/06/06	molex				
			2 PLACES	± 0.15	± ---								
			1 PLACE	± ---	± ---								
0 PLACE	±	±	MATERIAL NO.		DOCUMENT NO.		SHEET NO. 2 OF 7						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE TABLE			SD-78127-001							
			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

EMBOSSED TYPE A



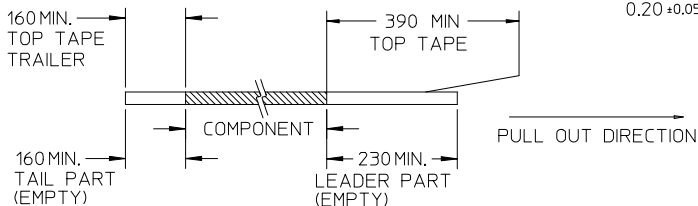
CUSTOMER
PULL OUT DIRECTION



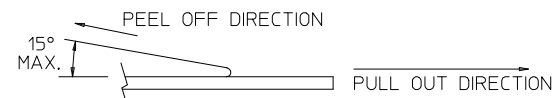
REEL

NOTES:

1. LEADER AND TRAILER TAPE



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

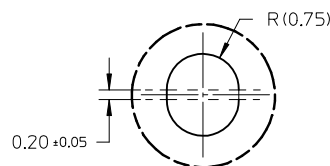


3. PACKAGING STANDARD IS AS PER EIA-481.

4. TAPE & REEL QUANTITY = 1000 PCS/REEL

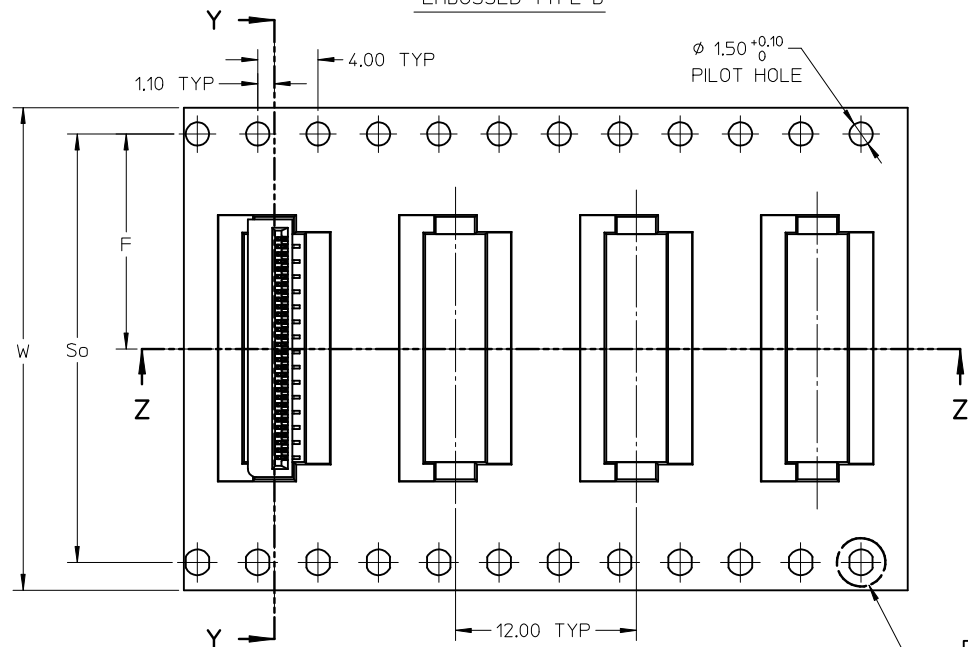
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SECTION Y-Y

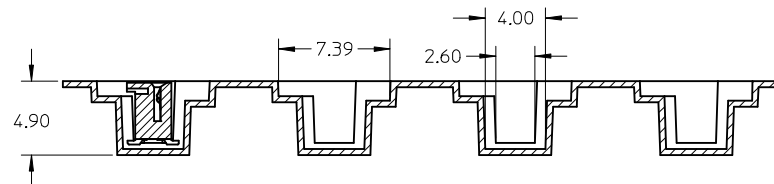


DETAIL 1

EMBOSSED TYPE B



DETAIL 1



SECTION Z-Z

REVISED EC NO: J2013-0629 DRWN: TMORI SHITA 2012/11/30 CHKD: K TAKAHASHI 2012/11/30 APPR: KMORI KAWA 2012/12/11	DESCRIPTION REV	QUALITY SYMBOLS FA=0 FC=0 FP=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
			4 PLACES 3 PLACES 2 PLACES 1 PLACE 0 PLACE	mm INCH	DRAWN BY YLOIAO		DATE 2006/05/05		TITLE 0.50MM PITCH, FPC CONN. NON-ZIF, SMT			
					CHECKED BY BOKOK		DATE 2006/06/06					
					APPROVED BY		DATE		molex			
					PTLIM		2006/06/06					
					MATERIAL NO.		DOCUMENT NO.					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		ANGULAR ± 3 °		SEE TABLE		SD-78127-001		5 OF 7				
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																																																																																																																																																																																																																																																																																				
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E	TIN-BISMUTH PLATING TERMINAL ASSEMBLY PART NUMBERS										E																																																																																																																																																																																																																																																																																			
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>78127-1109</td><td>78127-0109</td><td>10</td><td>24.00</td><td>-</td><td>11.50</td><td>7.40</td><td>5.10</td><td rowspan="10">A</td></tr><tr><td>78127-1119</td><td>78127-0119</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>78127-1129</td><td>78127-0129</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>78127-1139</td><td>78127-0139</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>78127-1149</td><td>78127-0149</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>78127-1159</td><td>78127-0159</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>78127-1169</td><td>78127-0169</td><td>16</td><td>24.00</td><td>-</td><td>11.50</td><td>10.40</td><td>8.10</td></tr><tr><td>78127-1179</td><td>78127-0179</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>78127-1189</td><td>78127-0189</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>78127-1199</td><td>78127-0199</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>78127-1209</td><td>78127-0209</td><td>20</td><td>24.00</td><td>-</td><td>11.50</td><td>12.40</td><td>10.10</td><td rowspan="10">B</td></tr><tr><td>78127-1219</td><td>78127-0219</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>78127-1229</td><td>78127-0229</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>78127-1239</td><td>78127-0239</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>78127-1249</td><td>78127-0249</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>78127-1259</td><td>78127-0259</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>78127-1269</td><td>78127-0269</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>78127-1279</td><td>78127-0279</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>78127-1289</td><td>78127-0289</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>78127-1299</td><td>78127-0299</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>78127-1309</td><td>78127-0309</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	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	<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>78127-1319</td><td>78127-0319</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>78127-1329</td><td>78127-0329</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>78127-1339</td><td>78127-0339</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>78127-1349</td><td>78127-0349</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>78127-1359</td><td>78127-0359</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>78127-1369</td><td>78127-0369</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>78127-1379</td><td>78127-0379</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>78127-1389</td><td>78127-0389</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>78127-1399</td><td>78127-0399</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>78127-1409</td><td>78127-0409</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></table>								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	D
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																																																																																																																																																																																																																																																																																							
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