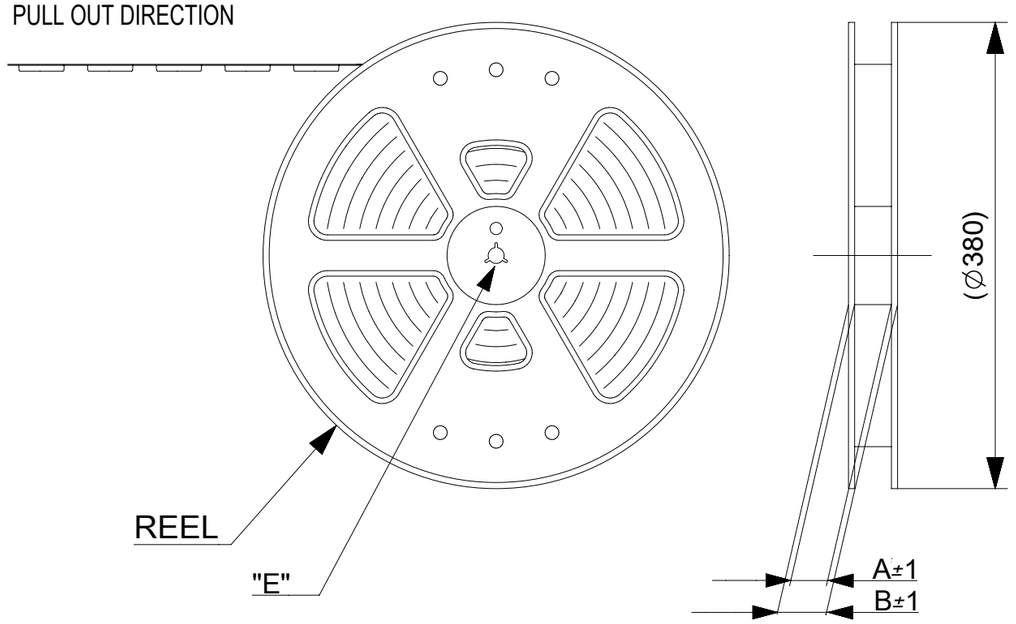
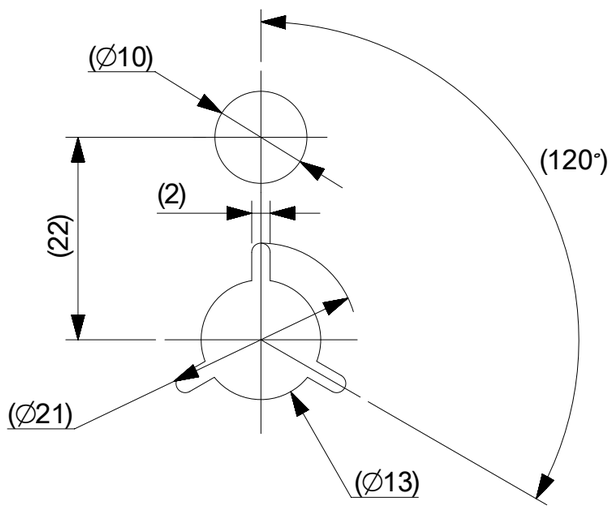
ELV&RoHS COMPLINT

引き出し方向
PULL OUT DIRECTION

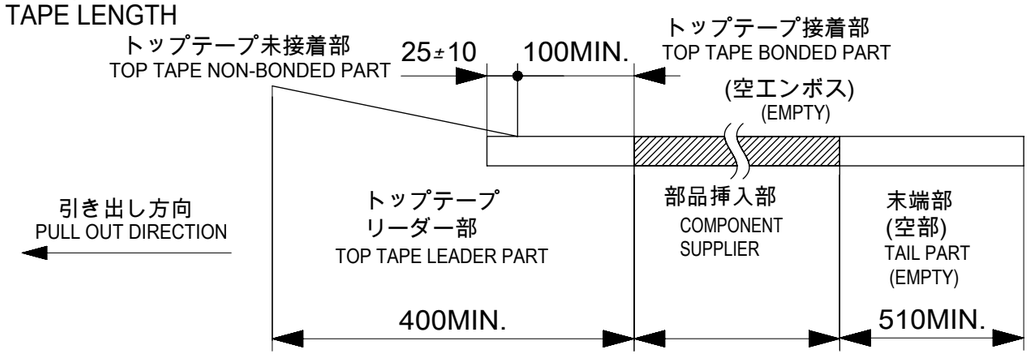




DETAIL "E"

NOTES

1. 梱包数量： 2000個 / リール
   NUMBER OF CONNECTORS : 2000 PCS/REEL
2. リードテープ長さ
   LEAD TAPE LENGTH



3. トップテープの剥離強度については、IEC60286-3に準拠。
   TOP TAPE PEEL FORCE IS DEFINED BY IEC60286-3.
4. 製品詳細寸法については、図面781271002をご参照ください。
   REFER TO THE 781271002 ABOUT DIMENSIONS IN DETAIL.
5. 材料
   キャリアテープ：ポリスチレン(PS)
   トップテープ　：PET,OTHER
   リール　　：ポリスチレン(PS)(リサイクル材を含む)
   MATERIAL
   CARRIER TAPE : POLYSTYRENE(PS)
   TOP TAPE : PET,OTHER
   REEL : POLYSTYRENE(PS) (RECYCLE MATERIAL CONTAINED)
6. 環境負荷物質の管理のため「化学物質ガイドライン」の内容を満足すること。
   "CHEMICAL SUBSTANCES GUIDELINE" SHALL BE APPLIED FOR MANAGEMENT OF ENVIRONMENTAL HAZARDOUS MATERIALS.

CONNECTOR SERIES NO. 78127**25

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

EC NO: 107065	2016/04/04		
DRWN: NASANUMA	2016/08/01		
CHK'D: YKOBAYASHI02	2016/08/02		
APPR: KMORIKAWA			

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ±	1.0	°
4 PLACES	± 0.1	
3 PLACES	± 0.1	
2 PLACES	± 0.1	
1 PLACE	± 0.1	
0 PLACES	± 0.1	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

REV: A

DIMENSION UNITS: MM
SCALE: ~~2:1~~
DRWN BY: NASANUMA DATE: 2016/04/04
CHK'D BY: YKOBAYASHI02 DATE: 2016/08/01
APPR BY: KMORIKAWA DATE: 2016/08/02
DRAWING SIZE: A3
THIRD ANGLE PROJECTION

molex

0.5 FPC CONN. N-ZIF ST AU EMBS TP PKG

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
78127		

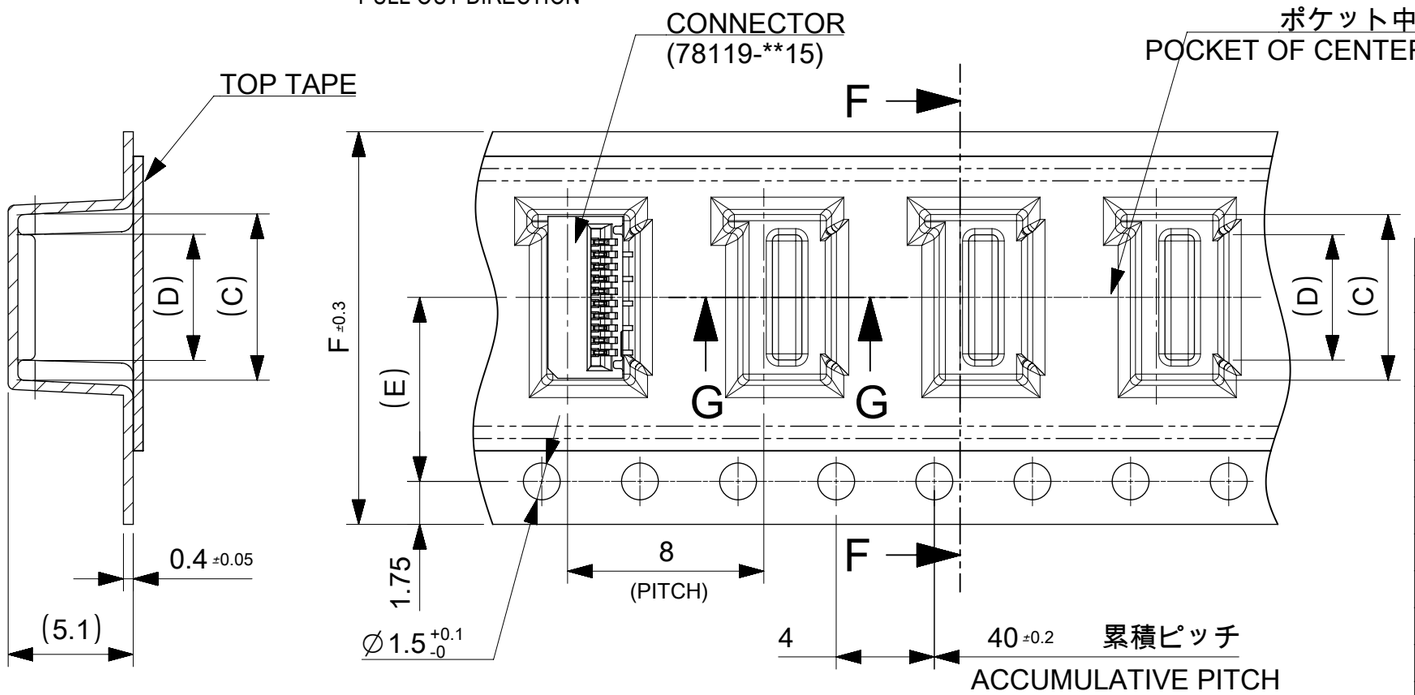
DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
781270002	PSD	000	1 OF 3

RELEASE STATUS	P1	RELEASE DATE	02.08.2016 00:40:34

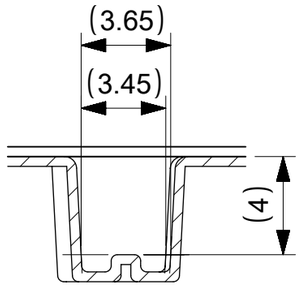
FORMAT: tb-prod-A3
REVISION: F
DATE: 2015/11/16

ELV&RoHS COMPLINT

引き出し方向
PULL OUT DIRECTION



SECTION F-F



SECTION G-G

F TAPE WIDTH	E	D	C	B	A	EMBOSSED PACKAGE オーダー番号 ORDER NO	CIRCUIT
24	11.5	14.1	15.8	29.4	25.4	781272820	28
		13.6	15.3			781272720	27
		13.1	14.8			781272620	26
		12.6	14.3			781272520	25
		12.1	13.8			781272420	24
		11.6	13.3			781272320	23
		11.1	12.8			781272220	22
		10.6	12.3			781272120	21
		10.1	11.8			781272020	20
		9.6	11.3			781271920	19
		9.1	10.8			781271820	18
		8.6	10.3			781271720	17
		8.1	9.8			781271620	16
		7.6	9.3			781271520	15
16	7.5	7.1	8.8	21.4	17.4	781271420	14
		6.6	8.3			781271320	13
		6.1	7.8			781271220	12
		5.6	7.3			781271120	11
		5.1	6.8			781271020	10
		4.6	6.3			781270920	9
		4.1	5.8			781270820	8
		3.6	5.3			781270720	7
		3.1	4.8			781270620	6

CONNECTOR SERIES NO. 78127**25

16mm, 24mm幅キャリアテープ

16mm, 24mm WIDTH CARIER TAPE

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EC NO: 107065 2016/04/04
DRWN: NASANUMA 2016/08/01
CHK'D: YKOBAYASHI02 2016/08/02
APPR: KMORIKAWA

REV: A

GENERAL TOLERANCES (UNLESS SPECIFIED)
ANGULAR TOL ± 1.0 °

4 PLACES	±	0.1
3 PLACES	±	0.1
2 PLACES	±	0.1
1 PLACE	±	0.1
0 PLACES	±	0.1

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS: MM
SCALE: 4:1
DRWN BY: NASANUMA DATE: 2016/04/04
CHK'D BY: YKOBAYASHI02 DATE: 2016/08/01
APPR BY: KMORIKAWA DATE: 2016/08/02
DRAWING SIZE: A3
THIRD ANGLE PROJECTION

molex

0.5 FPC CONN. N-ZIF ST AU EMBS TP PKG

PRODUCT CUSTOMER DRAWING

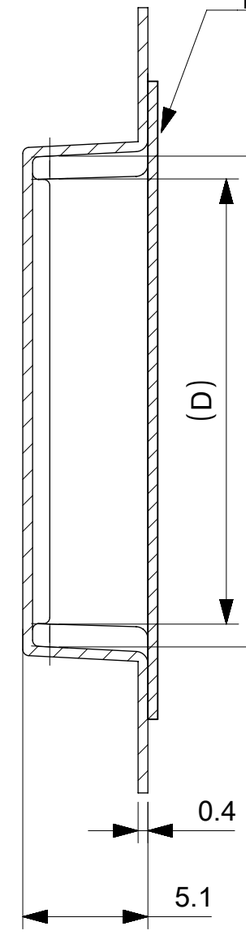
SERIES	MATERIAL NUMBER	CUSTOMER
78127		

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
781270002	PSD	000	2 OF 3

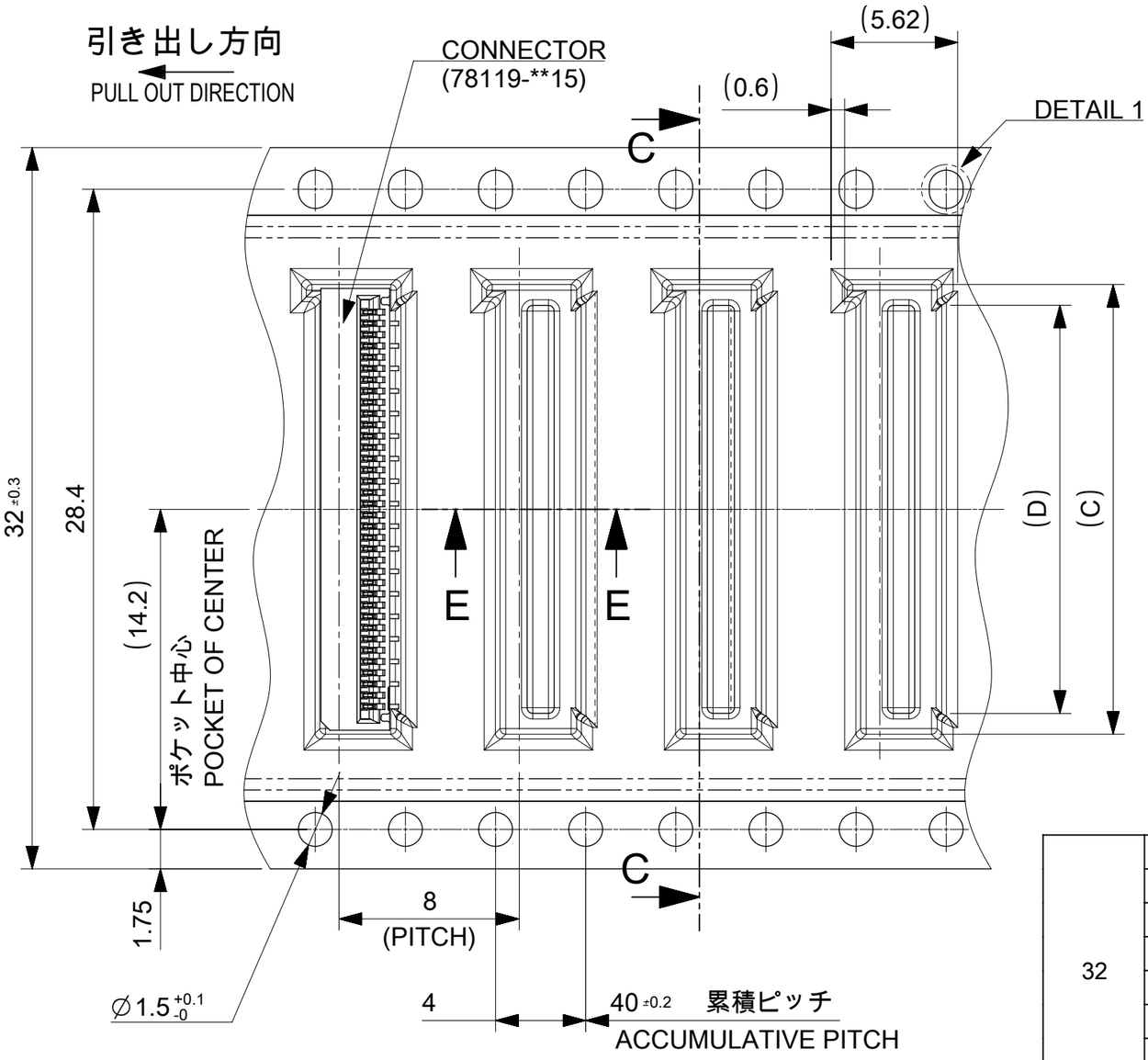
RELEASE STATUS	P1	RELEASE DATE	02.08.2016 00:40:34

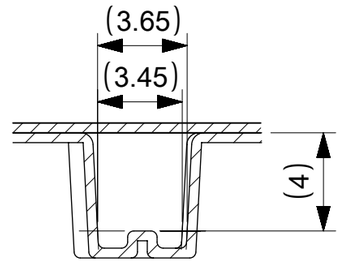
FORMAT: master-tb-prod-A3
REVISION: F
DATE: 2015/11/16

ELV&RoHS COMPLINT

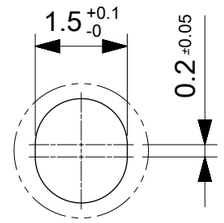


SECTION C-C





SECTION E-E



DETAIL 1
SCALE 10:1

TAPE WIDTH	D	C	B	A	EMBOSSED PACKAGE オーダー番号 ORDER NO	CIRCUIT
32	18.1	19.8	37.4	33.4	781273620	36
	17.6	19.3			781273520	35
	17.1	18.8			781273420	34
	16.6	18.3			781273320	33
	16.1	17.8			781273220	32
	15.6	17.3			781273120	31
	15.1	16.8			781273020	30
	14.6	16.3			781272920	29

CONNECTOR SERIES NO. 78127**25

32mm幅キャリアテープ

32mm WIDTH CARRIER TAPE

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

EC NO:	107065	2016/04/04
DRWN:	NASANUMA	2016/08/01
CHK'D:	YKOBAYASHI02	2016/08/02
APPR:	KMORIKAWA	
REV	A	

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 1.0 °

4 PLACES	±	0.1
3 PLACES	±	0.1
2 PLACES	±	0.1
1 PLACE	±	0.1
0 PLACES	±	0.1

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS	MM
SCALE	4:1
DRWN BY	NASANUMA
DATE	2016/04/04
CHK'D BY	YKOBAYASHI02
DATE	2016/08/01
APPR BY	KMORIKAWA
DATE	2016/08/02
DRAWING SIZE	A3
THIRD ANGLE PROJECTION	

molex®

0.5 FPC CONN. N-ZIF ST AU EMBS TP PKG

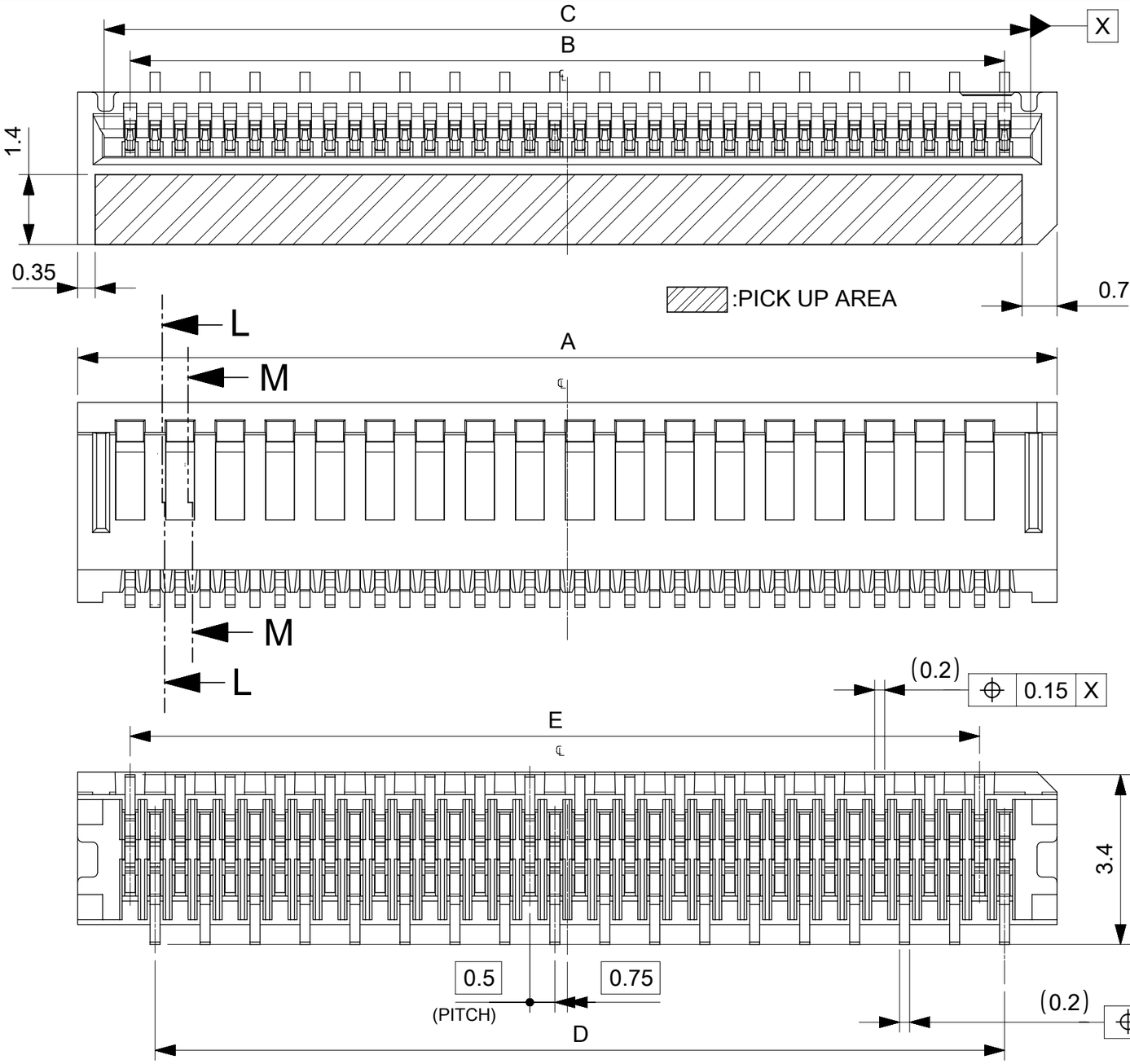
PRODUCT CUSTOMER DRAWING

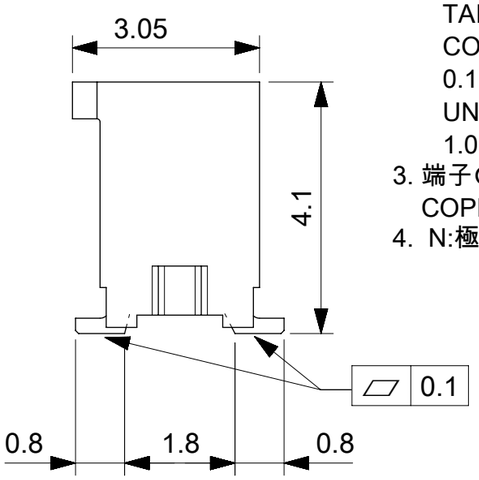
SERIES	MATERIAL NUMBER	CUSTOMER
78127		

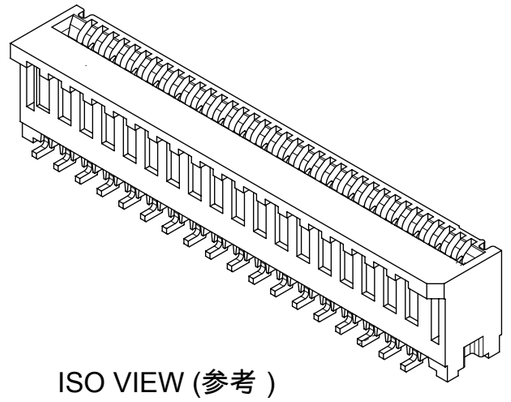
DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
781270002	PSD	000	3 OF 3

RELEASE STATUS	P1	RELEASE DATE	02.08.2016 00:40:34

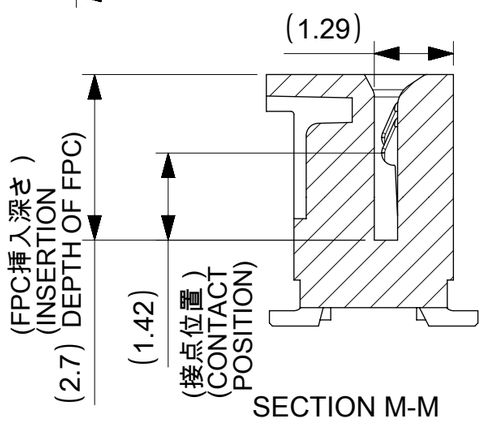
FORMAT: master-lb-prod-A3
REVISION: G
DATE: 2015/12/14



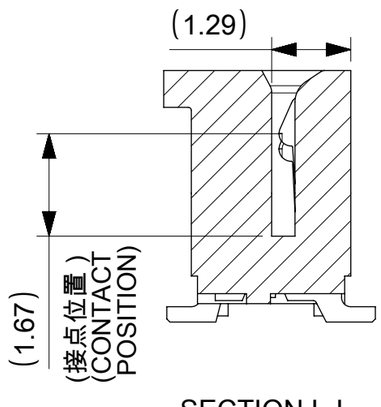




ISO VIEW (参考)



SECTION M-M



SECTION L-L

NOTES

ELV&RoHS COMPLIANT

1. 使用材料 MATERIALS
   ハウジング　：液晶ポリマー (LCP)
   ガラス充填、UL94V-0(黒色)
   端子　：リン青銅　t=0.2mm
   HOUSING　:LIQUID CRYSTAL POLYMAER (LCP)
   GLASS FILLED, UL94V-0, BLACK
   TERMINAL:PHOSPHOR BRONZE t=0.2mm
2. メッキ仕様 PLATING
   端子 TERMINAL
   テール部：金メッキ
   接点部：金メッキ　0.1μm以上
   下地：ニッケルメッキ　1.0μm以上
   TAIL　AREA :Gold PLATING
   CONTACT AREA:Gold PLATING
   0.1MICRO METER MINIMUM
   UNDER PLATING:Nickel PLATING
   1.0 MICROMETER MINIMUM
3. 端子の平坦度はテール部にて0.1mm以下とする。
   COPLANALITY OF SOLDER TAILS:0.1mmMAX.
4. N:極数　N:CIRCUIT

CONNECTOR SERIES NO. 78127**25

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

EC NO:	DRWN:	CHK'D:	APPR:	DATE
107065	NASANUMA	YKOBAYASHI02	KMORIKAWA	2016/08/02
				2016/08/01
				2016/04/05

REV	DESCRIPTION
A	

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 1.0 °

4 PLACES	± 0.1
3 PLACES	± 0.1
2 PLACES	± 0.1
1 PLACE	± 0.1
0 PLACES	± 0.1

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS	MM
SCALE	10:1
DRWN BY	NASANUMA
DATE	2016/04/05
CHK'D BY	YKOBAYASHI02
DATE	2016/08/01
APPR BY	KMORIKAWA
DATE	2016/08/02
DRAWING SIZE	A3
	THIRD ANGLE PROJECTION

molex

0.5 PITCH NON-ZIF CONN. SMT ST ASSY AG

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
78127		

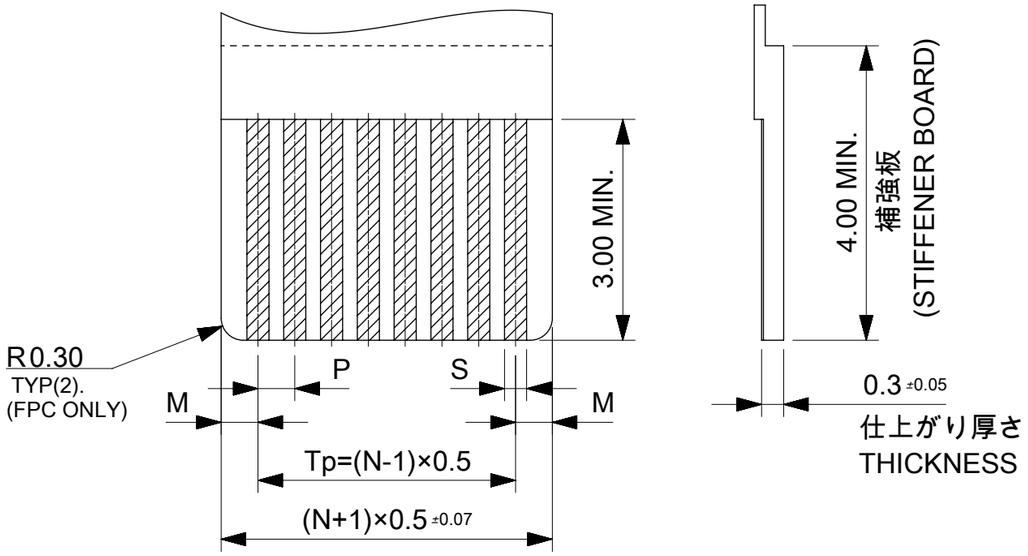
DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
781271002	PSD	000	1 OF 3

RELEASE STATUS	P1	RELEASE DATE	02.08.2016 00:40:37

FORMAT: master-tb-prod-A3
REVISION: F
DATE: 2015/11/16

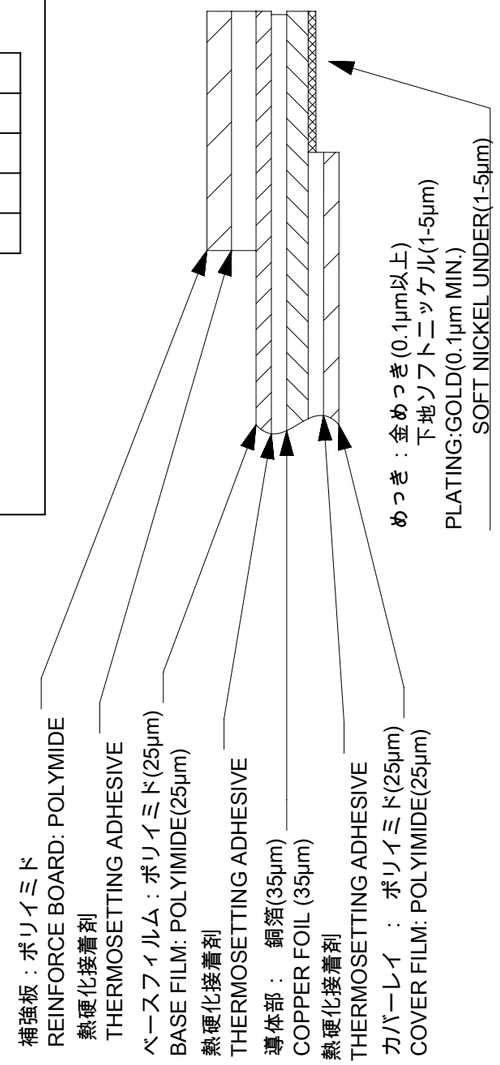
適合FPC/FFC推奨寸法

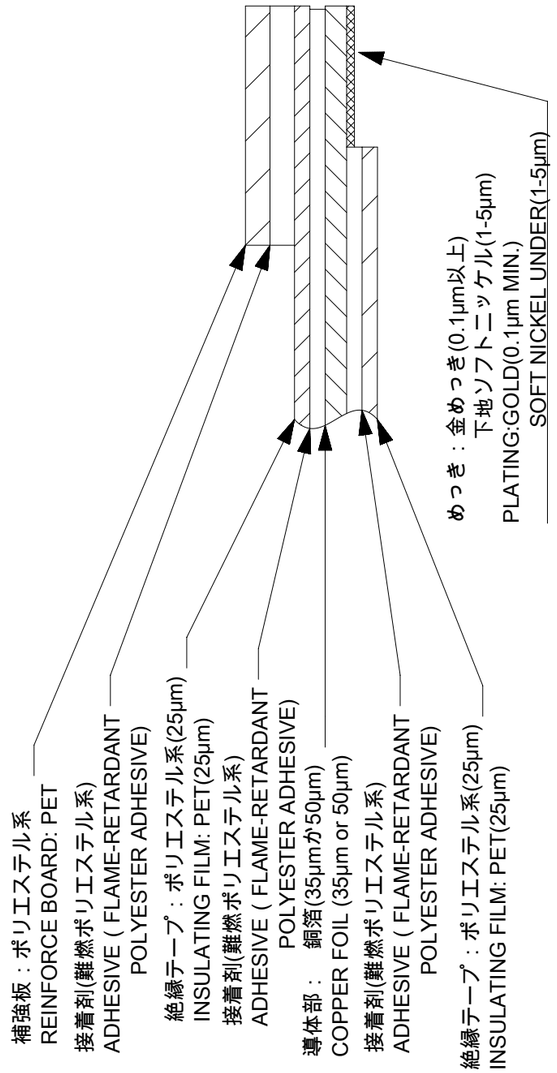
APPLICABLE FPC/FFC
RECOMMENDED DIMENSION



S	0.30 $^{+0.05}_{-0.02}$	0.35 $^{+0.04}_{-0.03}$
P	0.50±0.03	0.50±0.02
M	0.50±0.10	0.50±0.12
Tp	Tp±0.03	Tp±0.03
	FFC	FPC

ELV & RoHS COMPLIANT





FPC/FFCについて
打抜き方向は導体側から補強版側を推奨します。
導体部については軟箔銅35μmまたは、50μmを推奨いたします。
接着剤の接点部への付着は導通不良の原因になりますので、染み出し無きことを推奨いたします。
FPC/FFCに規定された定格温度が、FPC/FFC単体前提である場合が御座います。
コネクタと組み合わせての実使用において、接着層が劣化する等の信頼性を満足できないケースを回避する為、実機での評価 / 確認をお願い致します。
ABOUT FPC/FFC
RECOMMENDED PUNCHING DIRECTION:FROM CONDUCTOR SIDE TO STIFFENER SIDE.
RECOMMENDED CONDUCTOR SPEC:SOFT COPPER FOIL.
RECOMMENDED CONDUCTOR THICKNESS:35 MICROMETER OR 50 MICROMETER.
RECOMMENDED PUT APPROPRIATE AMOUNT OF ADHESIVE ON ADHEREND BECAUSE THERE IS A POSSIBILITY THAT EXTRA ADHESIVE CAUSES THE DEFECT IN ELECTRICAL CONTINUITY.
THE HEAT RESISTANCE OF FPC/FFC IS ONLY FPC/FFC SPEC.
TO PREVENT THE CASE THAT RELIABILITY CANNOT BE SATISFIED (THE ADHESIVE IS DETERIORATED etc,)PLEASE DO THE EVALUATION AND THE CONFIRMATION WITH ACTUAL CONNECTOR.
FPCについて
補強フィルム材は、ポリイミドを推奨します。ベースフィルムは25μmを推奨します。
接着剤は熱硬化接着剤を推奨します。
ABOUT FPC
RECOMMENDED STIFFENER MATERIAL:POLYIMIDE.
RECOMMENDED BASE FILM THICKNESS:25 MICROMETER.
RECOMMENDED ADHESIVE:THERMOSETTING ADHESIVE.

FPC構成推奨仕様
STRUCTURE OF FPC

FFC構成推奨仕様
STRUCTURE OF FFC

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

EC NO: 107065 2016/04/05
DRWN: NASANUMA 2016/08/01
CHK'D: YKOBAYASHI02 2016/08/02
APPR: KMORIKAWA

REV: A

GENERAL TOLERANCES (UNLESS SPECIFIED)
ANGULAR TOL ± 1.0 °
4 PLACES ± 0.1
3 PLACES ± 0.1
2 PLACES ± 0.1
1 PLACE ± 0.1
0 PLACES ± 0.1
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS: MM
SCALE: 12:1
DRWN BY: NASANUMA DATE: 2016/04/05
CHK'D BY: YKOBAYASHI02 DATE: 2016/08/01
APPR BY: KMORIKAWA DATE: 2016/08/02
DRAWING SIZE: A3
THIRD ANGLE PROJECTION

molex

0.5 PITCH NON-ZIF CONN. SMT ST ASSY AG

PRODUCT CUSTOMER DRAWING

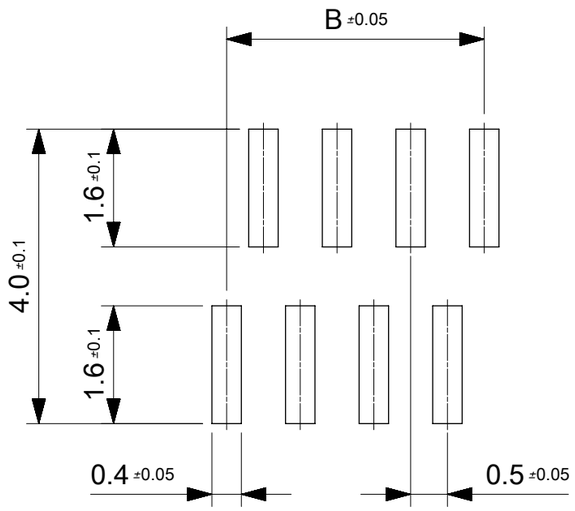
SERIES	MATERIAL NUMBER	CUSTOMER
78127		

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
781271002	PSD	000	2 OF 3

RELEASE STATUS	P1	RELEASE DATE	02.08.2016 00:40:37

FORMAT: master-lb-prod-A3
REVISION: F
DATE: 2015/11/16

17	17	18.6	17.5	19.6	781273620	36
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16	16	17.6	16.5	18.6	781273420	34
15	16	17.1	16	18.1	781273320	33
15	15	16.6	15.5	17.6	781273220	32
14	15	16.1	15	17.1	781273120	31
14	14	15.6	14.5	16.6	781273020	30
13	14	15.1	14	16.1	781272920	29
13	13	14.6	13.5	15.6	781272820	28
12	13	14.1	13	15.1	781272720	27
12	12	13.6	12.5	14.6	781272620	26
11	12	13.1	12	14.1	781272520	25
11	11	12.6	11.5	13.6	781272420	24
10	11	12.1	11	13.1	781272320	23
10	10	11.6	10.5	12.6	781272220	22
9	10	11.1	10	12.1	781272120	21
9	9	10.6	9.5	11.6	781272020	20
8	9	10.1	9	11.1	781271920	19
8	8	9.6	8.5	10.6	781271820	18
7	8	9.1	8	10.1	781271720	17
7	7	8.6	7.5	9.6	781271620	16
6	7	8.1	7	9.1	781271520	15
6	6	7.6	6.5	8.6	781271420	14
5	6	7.1	6	8.1	781271320	13
5	5	6.6	5.5	7.6	781271220	12
4	5	6.1	5	7.1	781271120	11
4	4	5.6	4.5	6.6	781271020	10
3	4	5.1	4	6.1	781270920	9
3	3	4.6	3.5	5.6	781270820	8
2	3	4.1	3	5.1	781270720	7
2	2	3.6	2.5	4.6	781270620	6
E	D	C	B	A	EMBOSSED PACKAGE オーダー番号 ORDER NO.	CIRCUIT



推奨基板レイアウト
RECOMMENDED PCB LAYOUT

参考マスク厚:100μm
参考開口率:100%
REFERENCE SCREEN THICKNESS:100
REFERENCE SCREEN OPEN RATIO:100%

ELV & RoHS COMPLIANT

CONNECTOR SERIES NO. 78127**25

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

EC NO: 107065 2016/04/05
DRWN: NASANUMA 2016/08/01
CHK'D: YKOBAYASHI02 2016/08/02
APPR: KMORIKAWA 2016/08/02

GENERAL TOLERANCES (UNLESS SPECIFIED)
ANGULAR TOL ± 1.0 °
4 PLACES ± 0.1
3 PLACES ± 0.1
2 PLACES ± 0.1
1 PLACE ± 0.1
0 PLACES ± 0.1
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

REV: A

DIMENSION UNITS: MM
SCALE: 12:1
DRWN BY: NASANUMA DATE: 2016/04/05
CHK'D BY: YKOBAYASHI02 DATE: 2016/08/01
APPR BY: KMORIKAWA DATE: 2016/08/02
DRAWING SIZE: A3
THIRD ANGLE PROJECTION

molex

0.5 PITCH NON-ZIF CONN. SMT ST ASSY AG

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
78127		

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
781271002	PSD	000	3 OF 3

RELEASE STATUS	P1	RELEASE DATE	02.08.2016 00:40:37

FORMAT: master-tb-prod-A3
REVISION: F
DATE: 2015/11/16

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

molex:

151660051 151660751 2147632113 2174712111 2174911213 1200878703 2174902123 2175101122 2183231061 2153261101 0150200051 2147561082 2153482125 559320830 2174911202 2178431123 2181021034 2138642633 2175202124 2163012123 2153252062 1451300703 150200083 2162721083 217471-1221 936012539 0982670423 1300970327 151670248 216288-1063