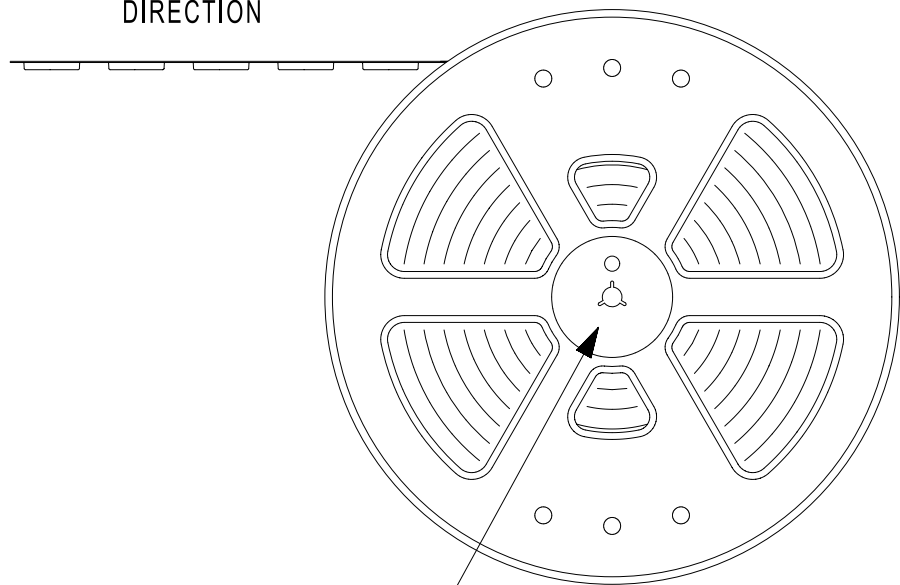


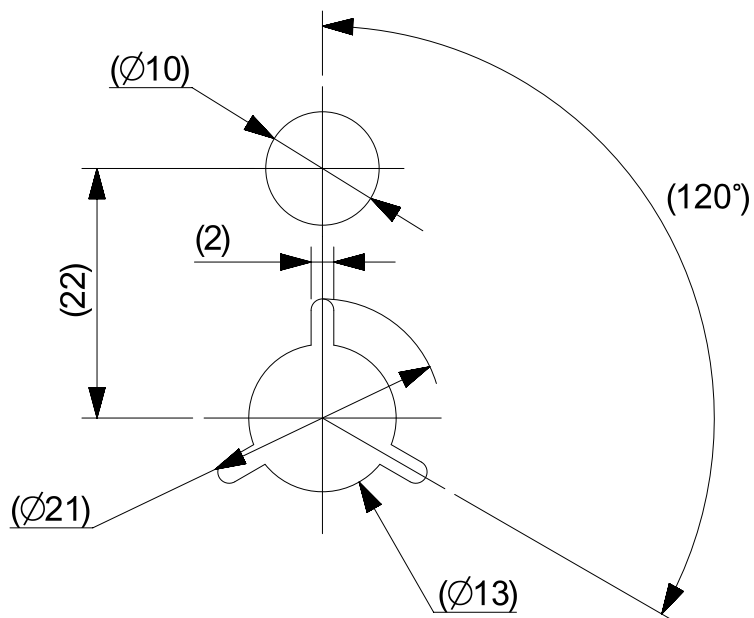
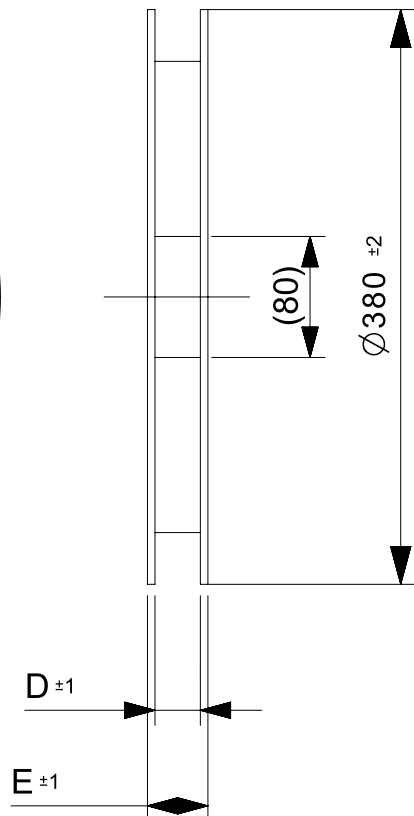
9 8 7 6 5 4 3 2 1

引き出し方向

PULL OUT
DIRECTION



"E"



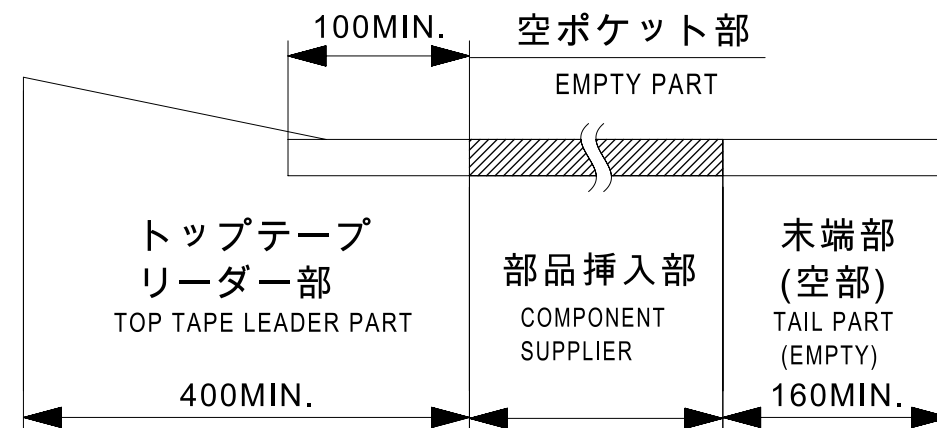
DETAIL "E"

NOTES

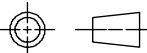
- 梱包数量： 3000個 / リール
NUMBER OF CONNECTORS : 3000 PCS/REEL.
- リードテープ長さ
LEAD TAPE LENGTH

引き出し方向

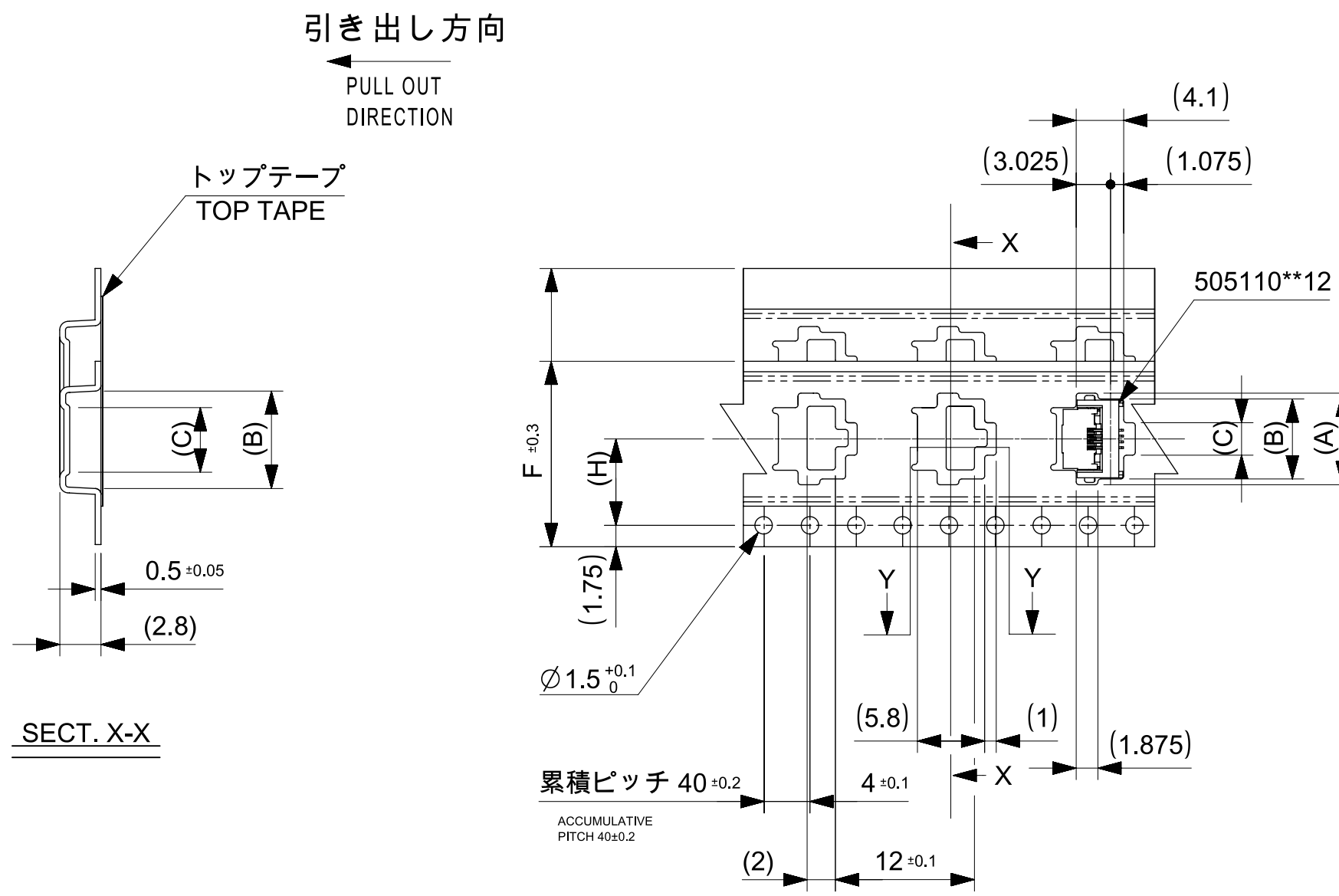
PULL OUT
DIRECTION



- カバートープの剥離強度については、IEC60286-3に準拠。
COVER TAPE PEEL FORCE IS DEFINED BY IEC 60286-3.
- 製品詳細寸法については、図面 5051101001-000を参照下さい。
FOR DIMINTIONS OF PRODUCT, REFER TO 5051101001-000.
- 材料 MATERIAL
キャリアテープ：ポリスチレン
CARRIER TAPE : POLYSTYRENE
トップテープ：ポリエチレンテレフタレート、ポリエチレン
TOP TAPE : POLYETHYLENE TEREHTHALATE, POLYETHYLENE
リール：ポリスチレン<リサイクル材を含む>
REEL : POLYSTYRENE <RECYCLE MATERIAL CONTAINED >
- ELV及びRoHS適合品 ELV AND RoHS COMPLIANT.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
EC DESCRIPTION EC NO: 100528 DRWN: NKONDO CHK'D: KTAKAHASHI APPR: KMORIKAWA		2015/06/30 2015/06/30 2015/06/30	QUALITY SYMBOLS ▽A = 0 ▽C = 0 ▽D = 0 ▼ = 0 ▽ = 0 ☒ = 0 ■ = 0 ▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 1.0 ° 4 PLACES ± 0.05 3 PLACES ± 0.1 2 PLACES ± 0.2 1 PLACE ± 0.2 0 PLACES ± 0.2 DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DIMENSION UNITS MM		SCALE 2:1		molex 0.5 FPC CONN ZIF E/O 2 CONT TYPE EMB PKG					
						DRWN BY FSATO		DATE 2015/04/30							
						CHK'D BY KTAKAHASHI		DATE 2015/06/30		PRODUCT CUSTOMER DRAWING					
						APPR BY		DATE							
				DRAWING SIZE A3		THIRD ANGLE PROJECTION 		SERIES 505110		MATERIAL NUMBER SEE SHEET 2			CUSTOMER GENERAL		
								DOCUMENT NUMBER 5051100001			DOC TYPE PSD	DOC PART 000	SHEET NUMBER 1 OF 2		

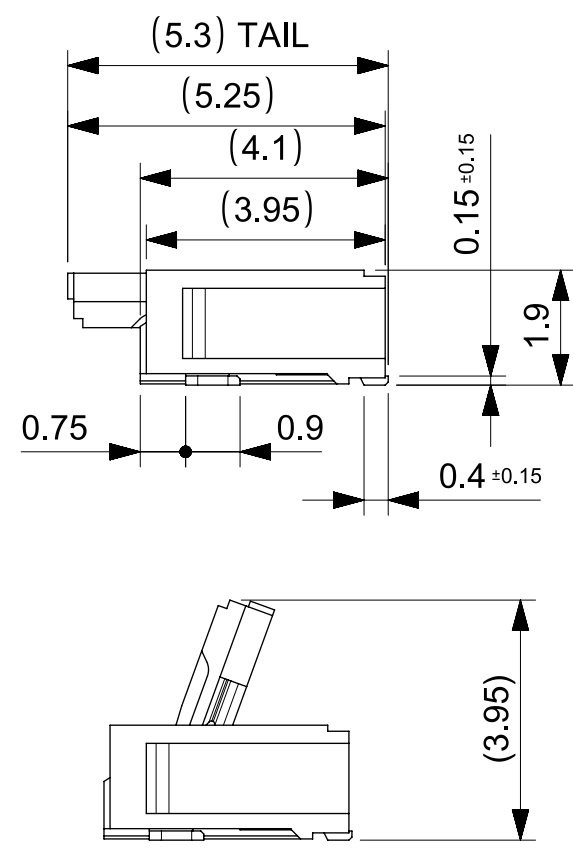
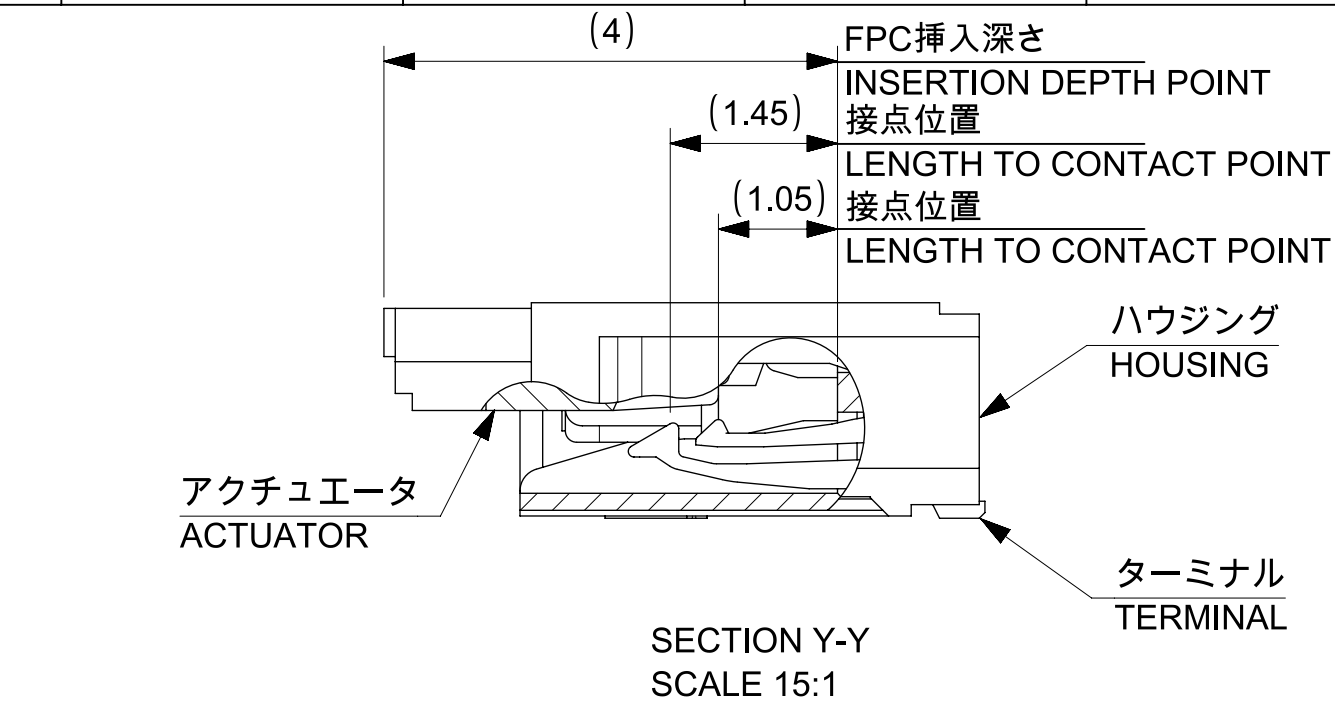
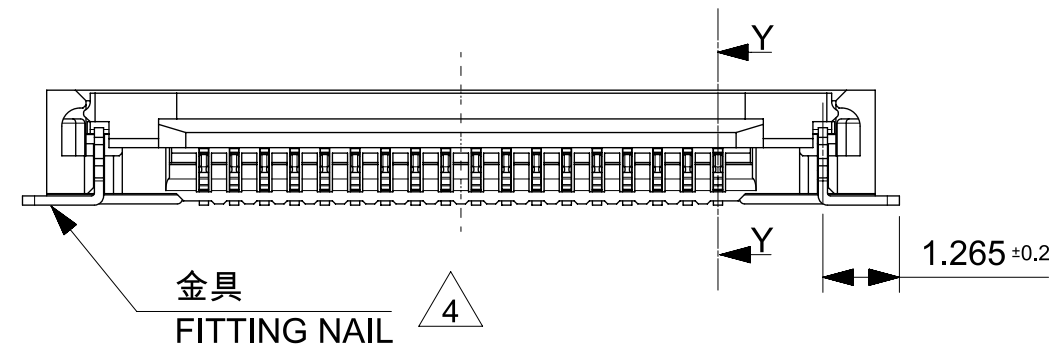
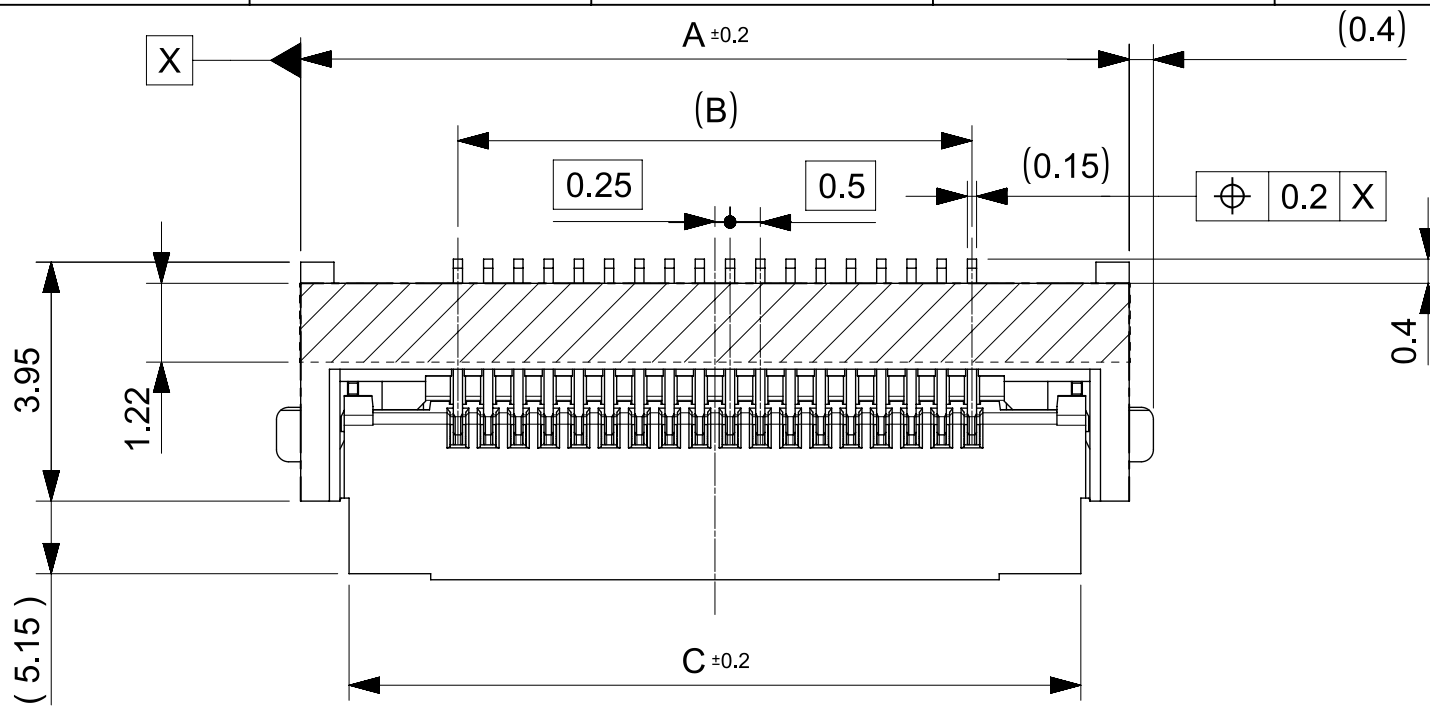
9 8 7 6 5 4 3 2 1



11.5	24	29.4	25.4	10.4	14.4	15.5	5051101992	19
				9.9	13.9	15.0	5051101892	18
				9.4	13.4	14.5	5051101792	17
				8.9	12.9	14.0	5051101692	16
				8.4	12.4	13.5	5051101592	15
				7.9	11.9	13.0	5051101492	14
				7.4	11.4	12.5	5051101392	13
				6.9	10.9	12.0	5051101292	12
				6.4	10.4	11.5	5051101192	11
				5.9	9.9	11.0	5051101092	10
				5.4	9.4	10.5	5051100992	9
				4.9	8.9	10.0	5051100892	8
7.5	16	21.4	17.4	4.4	8.4	9.5	5051100792	7
				3.9	7.9	9.0	5051100692	6
				3.4	7.4	8.5	5051100592	5
H	F	E	D	C	B	A	EMBOSSED PACKAGE	Ckt
CONNECTION NO. 505110**12							オーダー番号 ORDER NO.	

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EC DESCRIPTION EC NO: 100528 DRWN: NKONDO CHK'D: KTAKAHASHI APPR: KMORIKAWA	QUALITY SYMBOLS ▽ = 0 ▽ = 0 ▽ = 0 ▼ = 0 ▽ = 0 ☒ = 0 ■ = 0 ▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS MM	SCALE 2:1	molex			
		ANGULAR TOL ± 1.0 °		DRWN BY FSATO	DATE 2015/04/30				
		4 PLACES ± 0.05		CHK'D BY KTAKAHASHI	DATE 2015/06/30	0.5 FPC CONN ZIF E/O 2 CONT TYPE EMB PKG			
		3 PLACES ± 0.1		APPR BY					
		2 PLACES ± 0.2		DATE		PRODUCT CUSTOMER DRAWING			
1 PLACE ± 0.2		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE A3	THIRD ANGLE PROJECTION	SERIES 505110	MATERIAL NUMBER SEE CHART	CUSTOMER GENERAL	
0 PLACES ± 0.2						DOCUMENT NUMBER 5051100001	DOC TYPE PSD	DOC PART 000	SHEET NUMBER 2 OF 2



12.6	9.0	14.2	5051101992	19
12.1	8.5	13.7	5051101892	18
11.6	8.0	13.2	5051101792	17
11.1	7.5	12.7	5051101692	16
10.6	7.0	12.2	5051101592	15
10.1	6.5	11.7	5051101492	14
9.6	6.0	11.2	5051101392	13
9.1	5.5	10.7	5051101292	12
8.6	5.0	10.2	5051101192	11
8.1	4.5	9.7	5051101092	10
7.6	4.0	9.2	5051100992	9
7.1	3.5	8.7	5051100892	8
6.6	3.0	8.2	5051100792	7
6.1	2.5	7.7	5051100692	6
5.6	2.0	7.2	5051100592	5
5.1	1.5	6.7	5051100492	4
C	B	A	EMBOSSED PACKAGE オーダー番号 ORDER NO.	Ckt

CONNECTOR SERIES NO. 505110** 12

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EC DESCRIPTION

EC NO: 100528

DRWN: FSATO

CHK'D: KTAKAHASHI

APPR: KMORIKAWA

2015/04/30

2015/06/30

2015/06/30

2015/06/30

QUALITY SYMBOLS

▽ = 0

▽ = 0

▽ = 0

▼ = 0

▽ = 0

☒ = 0

■ = 0

▽ = 0

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 1.0 °

4 PLACES ± 0.05

3 PLACES ± 0.1

2 PLACES ± 0.2

1 PLACE ± 0.2

0 PLACES ± 0.2

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS

MM

DRWN BY

FSATO

CHK'D BY

KTAKAHASHI

APPR BY

KMORIKAWA

DATE

2015/04/30

2015/06/30

2015/06/30

DRAWING SIZE

A3

THIRD ANGLE PROJECTION

SCALE

8:1

DATE

2015/04/30

DATE

2015/06/30

DATE

2015/06/30

PRODUCT CUSTOMER DRAWING

SERIES

505110

MATERIAL NUMBER

SEE CHART

CUSTOMER

GENERAL

DOCUMENT NUMBER

5051101001

DOC TYPE

PSD

DOC PART

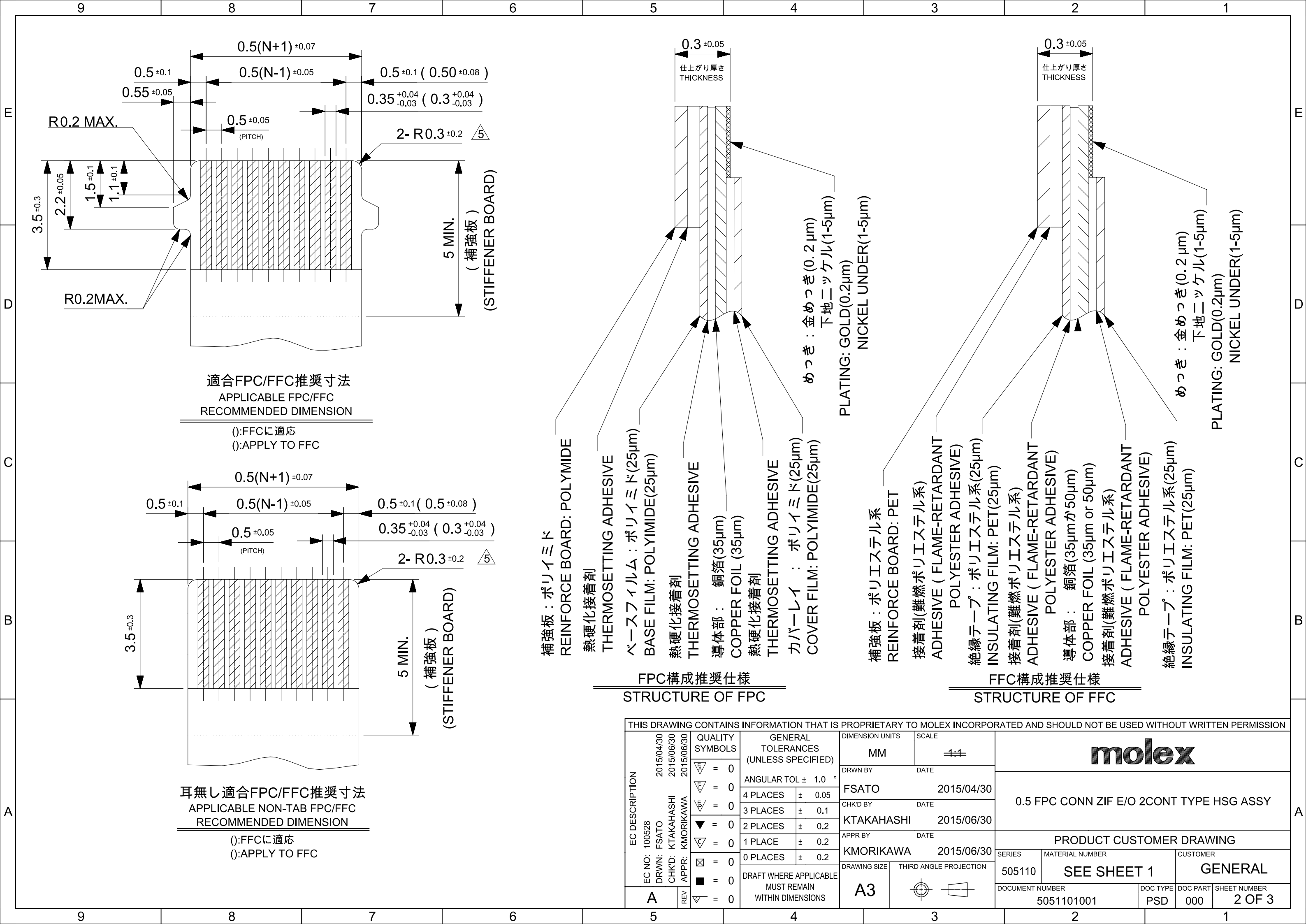
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SHEET NUMBER

1 OF 3

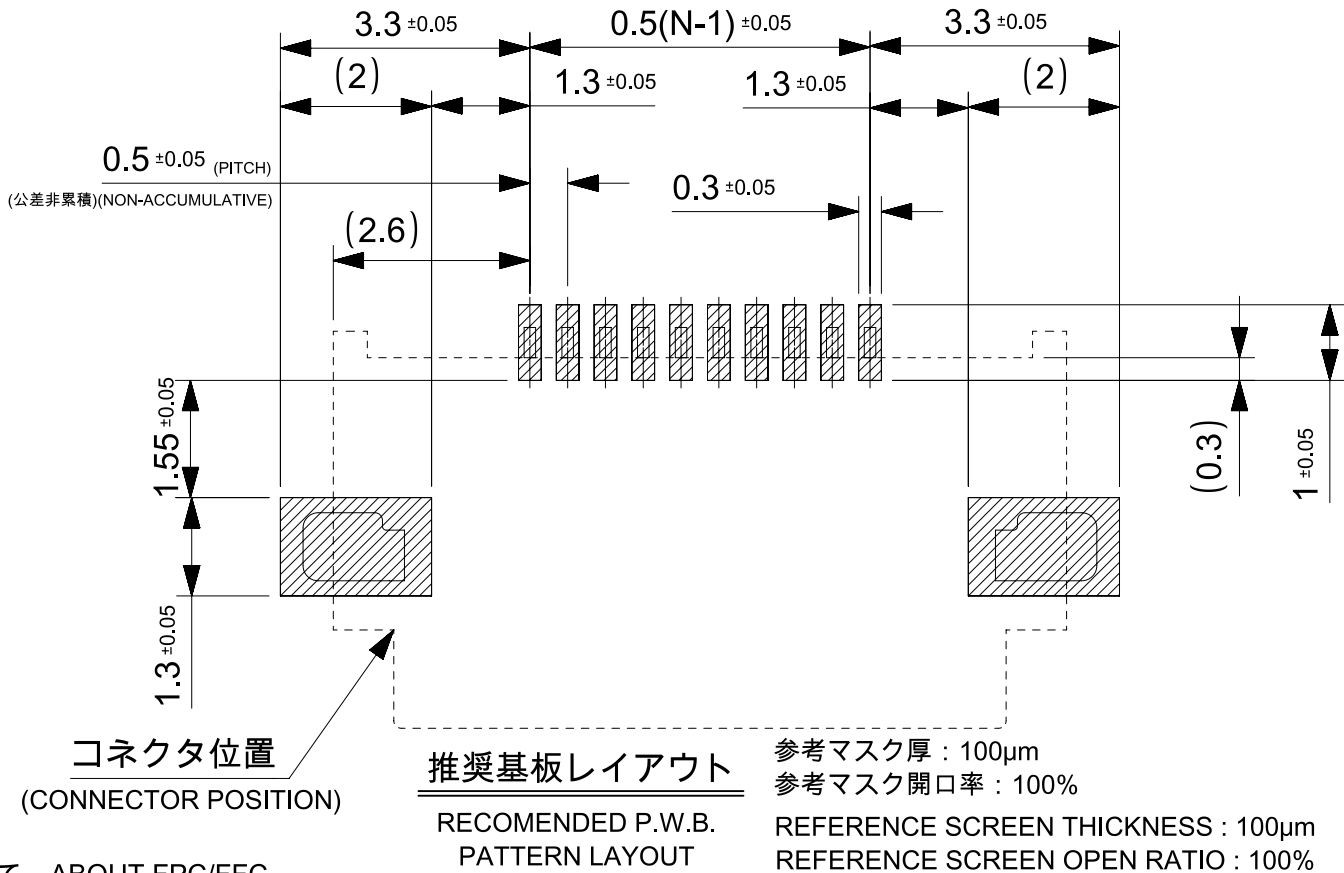
molex

0.5 FPC CONN ZIF E/O 2CONT TYPE HSG ASSY



注記 NOTES

- 1.使用材料 MATERIAL
ハウジング :液晶ポリマー ガラス充填、UL94V-0(ページュ)
HOUSING LIQUID CRYSTAL POLYMER
GLASS FILLED, UL94V-0(BEIGE)
アクチュエータ :ポリアミド ガラス充填、UL94V-0(黒)
ACTUATOR POLYAMIDE GLASS FILLED, UL94V-0(BLACK)
ターミナル :リン青銅(t=0.15)
TERMINAL PHOSPHOR BRONZE
金具 :リン青銅(t=0.15)
FITTING NAIL PHOSPHOR BRONZE
- 2.めっき仕様 PLATING
ターミナル TERMINAL
コンタクト部：部分金めっき (0.05μm以上)
テール部：部分金めっき
下地:ニッケルめっき (1.0μm以上)
CONTACT AREA：SEPARATED GOLD PLATING
(0.05 MICROMETER MINIMUM)
SOLDER TAIL AREA：SEPARATED GOLD PLATING
UNDERPLATE：NICKEL OVERALL
(1.0 MICROMETER MINIMUM)
金具 FITTING NAIL
錫めっき(1.0μm以上)
下地:ニッケルめっき (1.0μm以上)
TIN PLATING (1.0 MICROMETER MIN.)
UNDER PLATING：NICKEL PLATING
(1.0 MICROMETER MIN.)
- 3.エンボステープ梱包時は、アクチュエータが閉じた状態とする。
IN THE PACKAGE, ACTUATOR OF PART SHOULD BE CLOSED.
- △4 パターン剥離止め用金具
FITTING NAIL FOR PREVENTION OF PEELING OF P.C.B. PATTERN.
- △5 R0.3はFPC/FFC導体部にかからないこと。
R0.3 MUST NOT BE OVERLAPPED TO PATTERN OF FPC/FFC.
- 6.N:極数 N:CIRCUIT.
- 7.ELV及びRoHS適合品
ELV AND RoHS COMPLIANT
- 8.テールと金具を併せた平坦度は0.1以下とする。
TAILS AND NAILS COPLANALITY TO BE 0.1 MAX.



FPC/FFCについて ABOUT FPC/FFC

打ち抜き方向は導体側から補強板側を推奨します。
導体部については軟箔銅35μmまたは50μmを推奨します。
FFCに規定された定格温度が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、接着層が劣化するなどの信頼性を満足できないケースを回避するため、
実機での評価/確認をお願いいたします。

RECOMMENDED PUNCHING DIRECTION : FROM CONDUCTOR SIDE TO STIFFENER SIDE
RECOMMENDED CONDUCTOR SPEC : SOFT COPPER FOIL
RECOMMENDED CONDUCTOR THICKNESS : 35 MICROMETER OR 50 MICROMETER
NOTE: WHEN ACTUALLY USING IT WITH CONNECTOR, PLEASE DO THE EVALUATION AND THE
CONFIRMATION WITH AN ACTUAL EQUIPMENT TO EVADE THE CASE WHERE RELIABILITY
CANNOT BE FILLED (THE ADHESIVE LINE OF FFC IS DETERIORATED ETC.)

FPCについて ABOUT FPC

補強フィルム材質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。
尚、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、染み出しが無い様お願い致します。
RECOMMENDED MATERIAL/THICKNESS.
RECOMMENDED STIFFENER MATERIAL: POLYIMIDE
RECOMMENDED BASE FILM THICKNESS: 25 MICROMETER
RECOMMENDED ADHESIVE: THERMOSETTING ADHESIVE
NOTE: PLEASE PUT APPROPRIATE AMOUNT OF ADHESIVE ON ADHEREND BECAUSE THERE IS A
POSSIBILITY THAT THE EXTRA ADHESIVE CAUSES THE DEFECT IN ELECTRICAL CONTINUITY.
THERE IS A POSSIBILITY THAT THE PRESCRIPT TEMPERATURE OF FFC IS SET TO SINGLE IT.

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EC DESCRIPTION EC NO: 100528 DRWN: FSATO CHK'D: KTAKAHASHI APPR: KMORIKAWA				QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex					
								MM		10:1							
				▽ = 0		ANGULAR TOL ± 1.0 °		DRWN BY		DATE		0.5 FPC CONN ZIF E/O 2CONT TYPE HSG ASSY					
				▽ = 0				FSATO		2015/04/30							
				▽ = 0		4 PLACES		± 0.05		CHK'D BY		DATE		PRODUCT CUSTOMER DRAWING			
				▽ = 0		3 PLACES		± 0.1		KTAKAHASHI		2015/06/30					
▼ = 0		2 PLACES		± 0.2		APPR BY		DATE		SERIES				MATERIAL NUMBER		CUSTOMER	
▽ = 0		1 PLACE		± 0.2		KMORIKAWA		2015/06/30									
☒ = 0		0 PLACES		± 0.2		DRAWING SIZE		THIRD ANGLE PROJECTION		505110		SEE SHEET 1		GENERAL			
■ = 0		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		A3				DOCUMENT NUMBER				DOC TYPE		DOC PART		SHEET NUMBER	
▽ = 0								5051101001				PSD		000		3 OF 3	