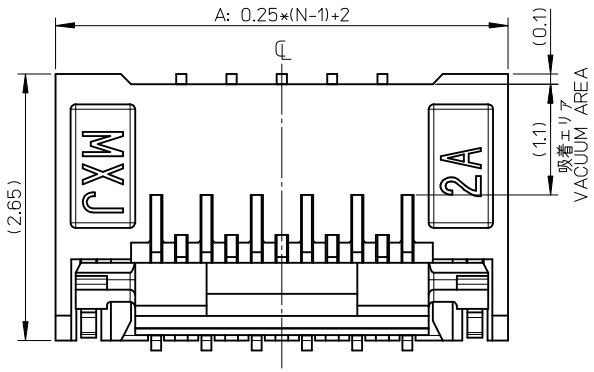
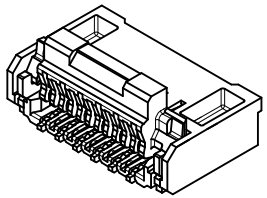
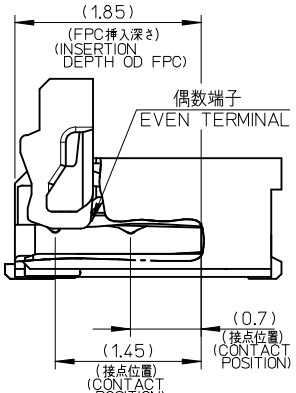
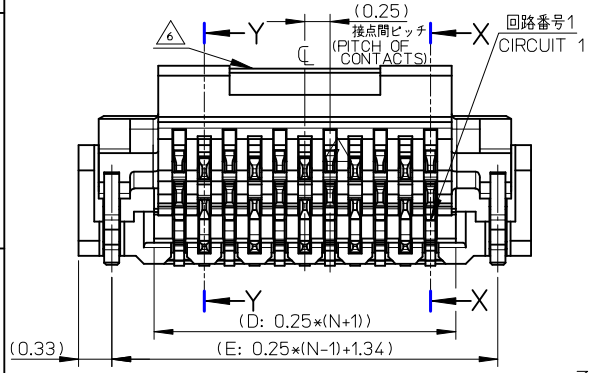
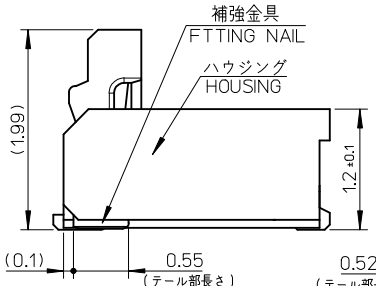


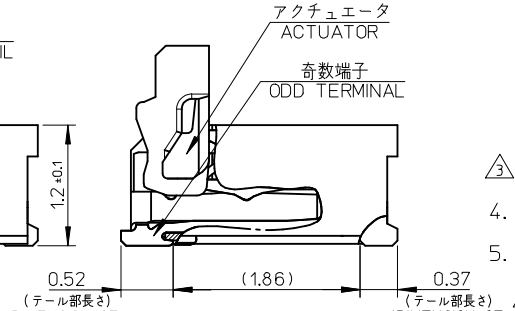




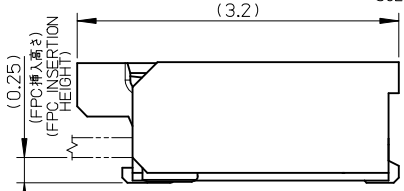
SECTION Y-Y



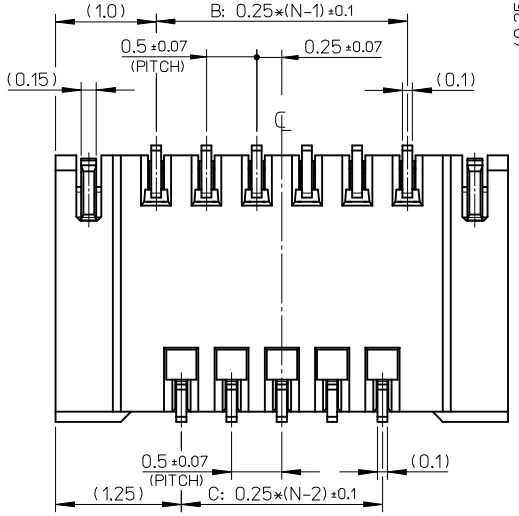




SECTION X-X



アクチュエータ閉じ位置
ACTUATOR CLOSED POSITION



注記 NOTES

1. 使用材料 MATERIALS
   - ハウジング　：液晶ポリマー(UL94V-0、黒色)
   - アクチュエータ：ポリアミド樹脂(UL94V-0、ベージュ)
   - 奇数端子　：リン青銅
   - 偶数端子　：リン青銅
   - 補強金具　：リン青銅
   - HOUSING　：G.F. LCP (BLACK)
   - ACTUATOR　：G.F. POLYAMIDE (BEIGE)
   - ODD TERMINAL：PHOSPHOR BRONZE
   - EVEN TERMINAL：PHOSPHOR BRONZE
   - FITTING NAIL：PHOSPHOR BRONZE
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 0.1μm MINIMUM
     - UNDER PLATING : Nickel PLATING 1.0μm MINIMUM
   - 金具FITTING NAIL
     - 全面：スズメッキ　1.0μm 以上
     - 下地：ニッケルメッキ1.0μm以上
     - ALL OVER : Tin PLATING 1.0μm MINIMUM
     - UNDER PLATING : Nickel PLATING 1.0μm MINIMUM
3. 端子、補強金具のコプラナリティーは 0.1 以下とする
   COPLANALITY OF SOLDER TAILS AND FITTING NAILS : 0.1MAX.
4. 一般公差：± 0.3
   GENERAL TOLERANCES: ±0.3
5. ELV及びRoHS適合品
   ELV AND RoHS COMPLIANT
6. ゲート部形状とする
   本形状は極数により異なります
   THIS SHAPE IS FOR GATE
   IT DEPENDS ON THE NUMBER OF CIRCUITS

E	D	C	B	A	ORDER NO. EMBOSSED TAPE PACKAGE	CIRCUITS
14.34	13.5	12.5	13	15	503300-5310	53
11.84	11	10	10.5	12.5	503300-4310	43
11.34	10.5	9.5	10	12	503300-4110	41
10.34	9.5	8.5	9	11	503300-3710	37
8.84	8	7	7.5	9.5	503300-3110	31
8.34	7.5	6.5	7	9	503300-2910	29
6.34	5.5	4.5	5	7	503300-2110	21

CONNECTOR SERIES NO. 503300-**18

REVISED
EC NO: J2014-1201 2014/01/29
DRWN:TMORISHITA 2014/01/29
CH'KD:KTAKAHASHI 2014/02/07
APPR:YNOGAWA
DESCRIPTION
C
REV

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	± ---
10 OVER 30 UNDER	± ---
30 OVER	± ---
ANGULAR ±1 °	

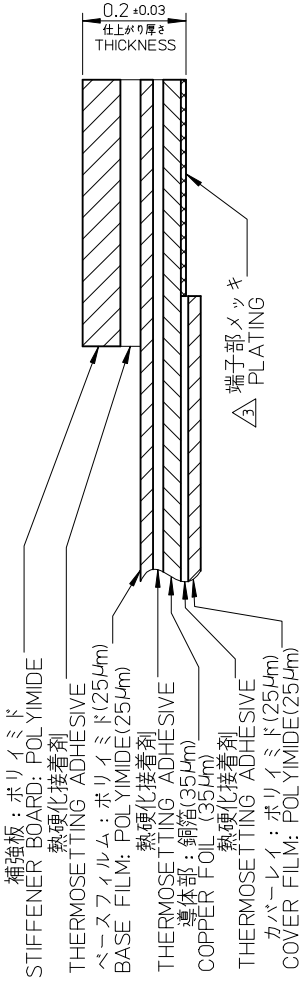
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY	SCALE: 20:1	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION

DRAWN BY: MNIITA　DATE: 2010/08/23	TITLE: 0.25 PITCH FPC CONN. E/O HGT=1.2 UPR CONTACT TYPE LOW-HALOGEN
CHECKED BY: SHOSHIKAWA　DATE: 2010/08/24	
APPROVED BY: SHOSHIKAWA　DATE: 2010/08/27	molex
MATERIAL NO.: SEE CHART	DOCUMENT NO.: SD-503300-001　SHEET NO.: 1 OF 2

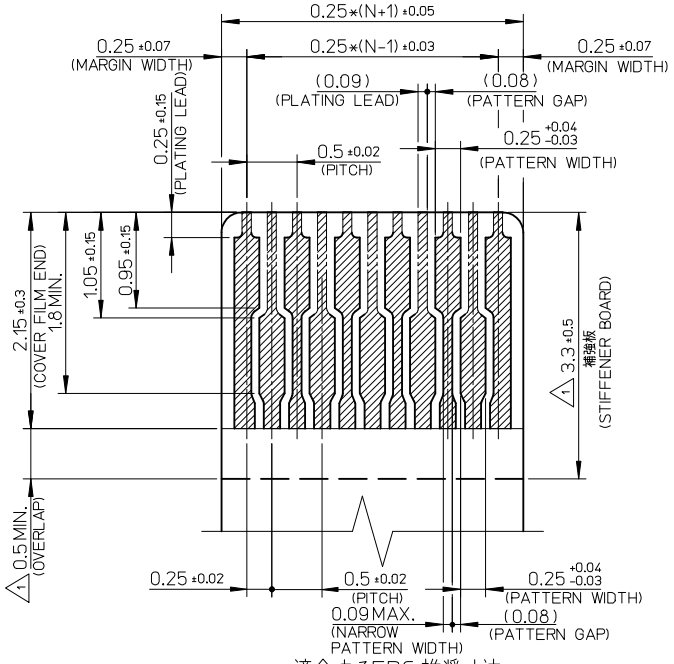
SIZE A3

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FPC構成材料例

EXAMPLE OF FPC COMPOSITION MATERIAL

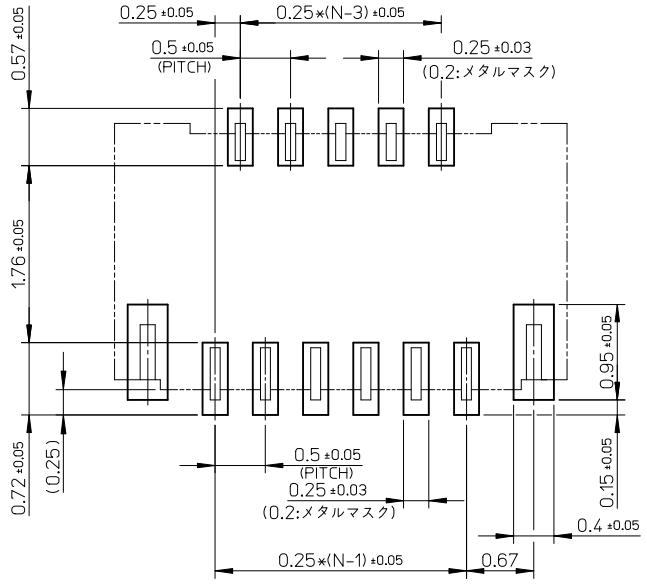


適合するFPC 推奨寸法

APPLICABLE FPC RECOMMENDED DIMENSION

（端子部仕上がり厚さ：0.2±0.03 ）

(THICKNESS: 0.2±0.03)



注記 NOTES

1 補強板長さが図面通り確保できない場合は、カバーレイと補強板のオーバーラップ寸法を 0.5mm 以上としてください
WHEN STIFFENER BOARD DIMENSION CAN NOT SECURE AS DRAWING, PLEASE GIVE THE OVERLAP SIZE OF COVER FILM AND STIFFENER BOARD AS 0.5㎜ MINIMUM

2 推奨ペースト厚　：100μm
推奨マスク開口率　：80%
RECOMMEND SCREEN THICKNESS　：100μm
RECOMMEND SCREEN OPEN RATIO：80%

3 FPCパターンのメッキ仕様は
金メッキ：　0.1μm 以上
下地ニッケルメッキ：2~6μm
FPC PATTERN PLATING
GOLD PLATING　：0.1μm MINIMUM
NICKEL UNDER PLATING：2~6μm

4 FPCについて(ABOUT FPC)
抜き方向は、導体側から補強板側を推奨します
補強板材質は、ポリイミドを推奨します
接着剤は熱硬化接着剤を推奨します
なお、接着剤の接点部への付着は導通不良の原因となりますので染み出しがないよう、お願いします
RECOMMENDED PUNCHER DIRECTION:
FROM CONDUCTOR SIDE TO STIFFENER BORAD SIDE
RECOMMENDED MATERIAL:
STIFFENER BOARD: POLYIMIDE
BONDING AGENT: THERMOSETTING AGENT
PLEASE PUT APPROPRIATE AMOUNT OF ADHESIVE ON THE CONTACT AREA BECAUSE THE EXTRA ADHESIVE MAY CAUSE THE DEFECT IN ELECTRICAL CONTINUITY

REVISED
EC NO: J2014-1201
DRWN:TMORISHITA 2014/01/29
CHKD:KTAKAHASHI 2014/01/29
APPR:YNOGAWA 2014/02/07
DESCRIPTION
REV: C

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	± ---
10 OVER 30 UNDER	± ---
30 OVER	± ---
ANGULAR ±1 °	

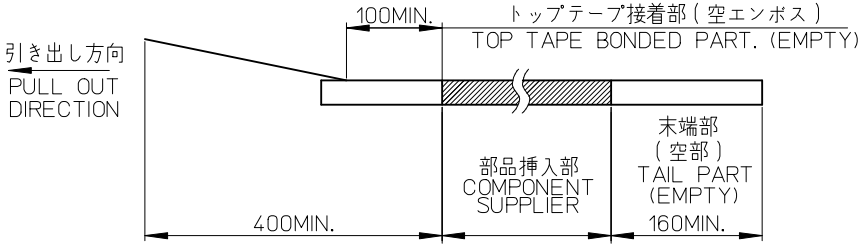
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

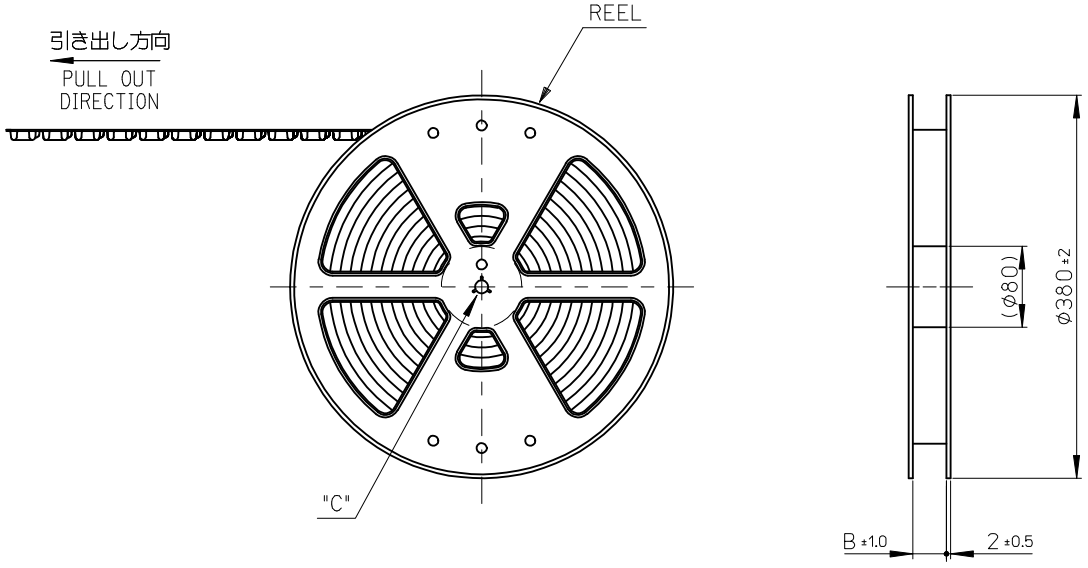
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SCALE	20:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY / DATE	MNIITA 2010/08/23
CHECKED BY / DATE	SHOSHIKAWA 2010/08/24
APPROVED BY / DATE	SHOSHIKAWA 2010/08/27
MATERIAL NO.	SEE SHEET1
TITLE	0.25 PITCH FPC CONN. E/O HGT=1.2 UPR CONTACT TYPE LOW-HALOGEN
	molex
DOCUMENT NO.	SD-503300-001
SHEET NO.	2 OF 2
SIZE	A3

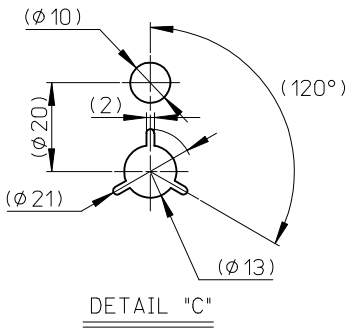
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注記 NOTES

1. 製品詳細寸法については図面 SD-503300-001 を参照下さい。
   RE DETAILED DIMENSION, SEE SD-503300-001
2. 梱包数量：3000 個／リール
   NUMBER OF CONNECTORS : 3000 PCS/REEL
3. リードテープ長さ LEAD TAPE LENGTH







DETAIL "C"

4. 材料 MATERIAL
   キャリアテープ (CARRIER TAPE) : ポリスチレン (POLYSTYRENE)
   トップテープ (TOP TAPE): PET , PE , PEF
   リール (REEL) : ポリスチレン (PS) <リサイクル材を含む>
   POLYSTYRENE (PS) <RECYCLE MATERIAL CONTAINED>

5. カバーテープの剥離強度については、IEC60286-3 に準拠
   COVER TAPE PEEL FORCE IS DEFINED BY IEC60286-3.

REVISED			
EC NO: J2014-1201			
DRWN:TMORISHITA	2014/01/29		
CH'KD:KTAKAHASHI	2014/01/29		
APPR:YNOGAWA	2014/02/07		
DESCRIPTION			
REV			
C			

GENERAL TOLERANCES (UNLESS SPECIFIED)

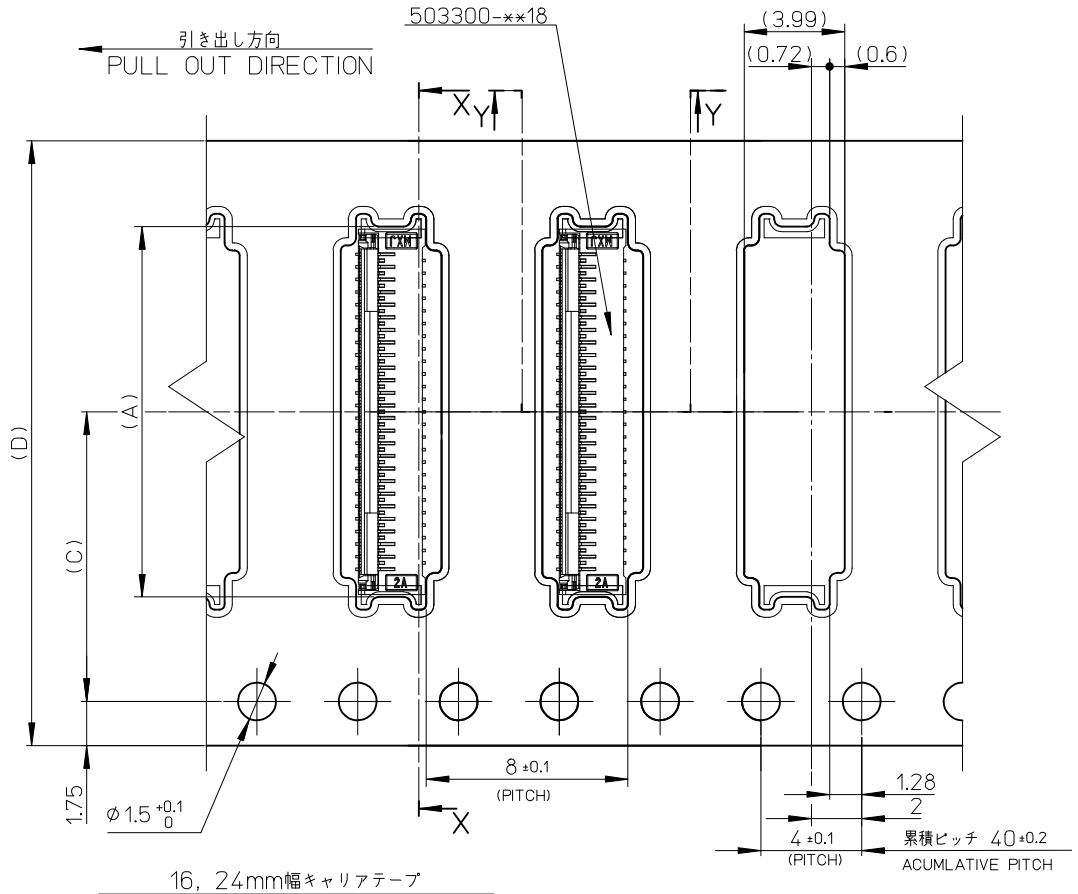
10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±1 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

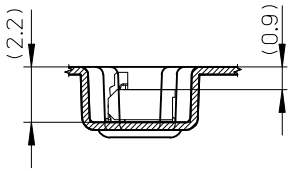
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SCALE	---
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	MNIITA
DATE	2010/08/24
CHECKED BY	SHOSHIKAWA
DATE	2010/08/24
APPROVED BY	SHOSHIKAWA
DATE	2010/08/27
MATERIAL NO.	SEE CHART
CONNECTOR SERIES NO.	503300-**10
TITLE	0.25MM FPC CONN. E/O H=1.2 HSG ASSY UPR EMBOSSED TAPE PACKAGE
DOCUMENT NO.	SD-503300-002
SHEET NO.	1 OF 3
SIZE	A3

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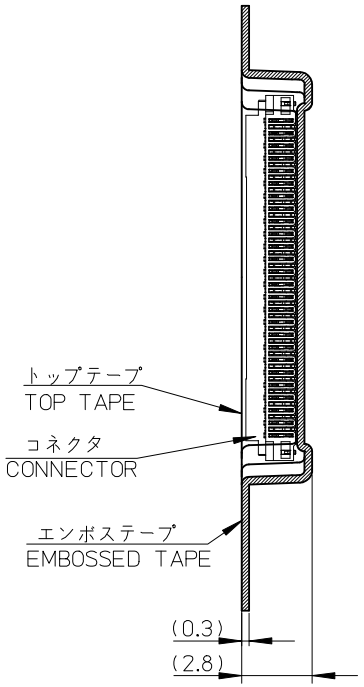
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16, 24mm幅キャリアテープ
16, 24mm WIDTH CARRIER TAPE



SECTION Y-Y



SECTION X-X

(D) キャリアテープ幅 CARRIER TAPE WIDTH	(C)	B	(A)	オーダー番号 ORDER NO.	極数 CIRCUITS
24	11.5	25.4	13.7	503300-4310	43
			13.2	503300-4110	41
			12.2	503300-3710	37
			10.7	503300-3110	31
			10.2	503300-2910	29
			8.2	503300-2110	21

CONNECTOR SERIES NO. 503300-**10

REVISED
EC NO: J2014-1201 2014/01/29
DRWN:TMORISHITA 2014/01/29
CH'KD:KTAKAHASHI 2014/02/07
APPR:YNOGAWA
DESCRIPTION
REV
C

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±1 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

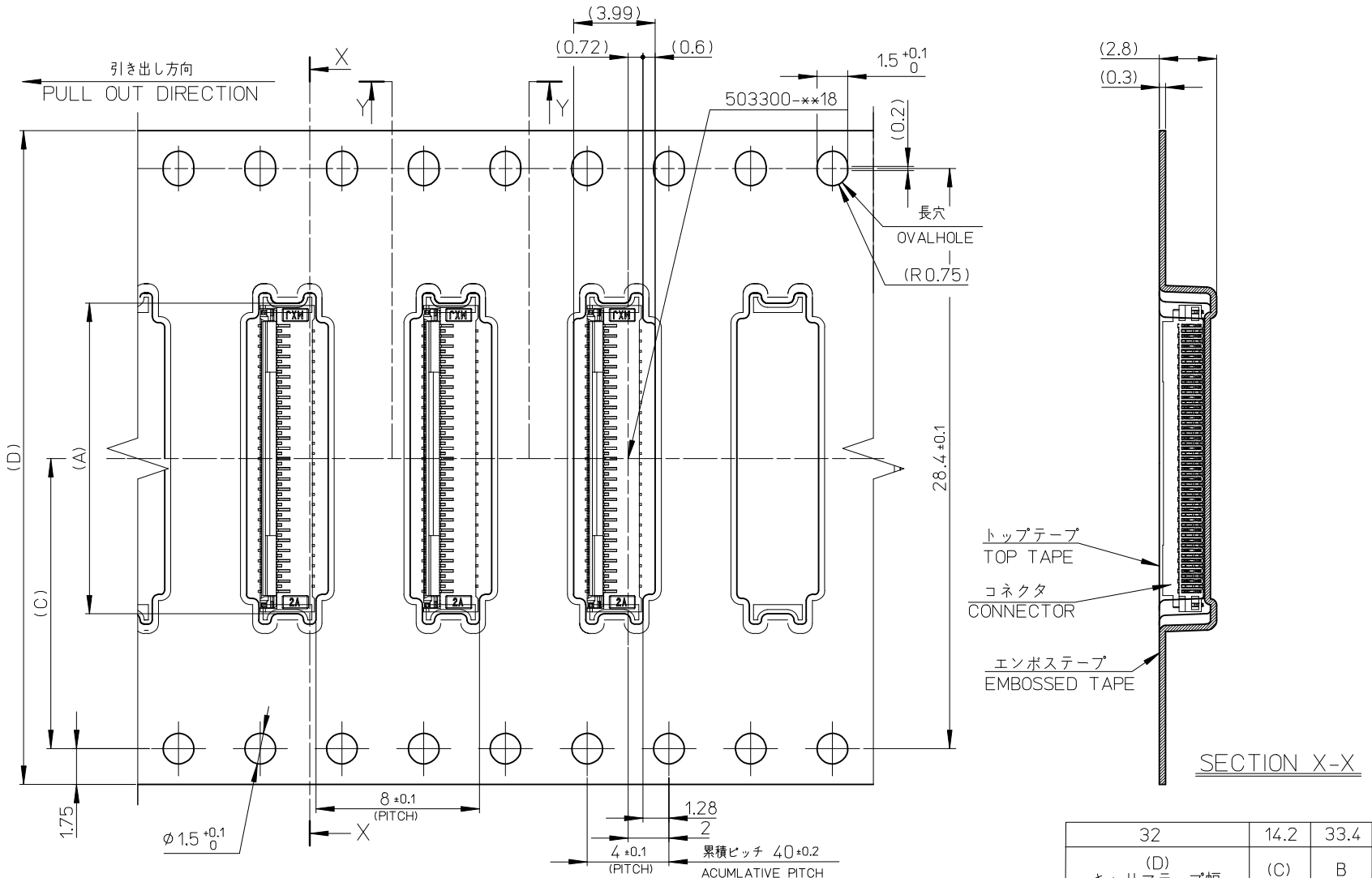
DRAWN BY: MNIITA DATE: 2010/08/24
CHECKED BY: SHOSHIKAWA DATE: 2010/08/24
APPROVED BY: SHOSHIKAWA DATE: 2010/08/27
MATERIAL NO.: SEE CHART

TITLE
0.25MM FPC CONN. E/O
H=1.2 HSG ASSY UPR
EMBOSSED TAPE PACKAGE

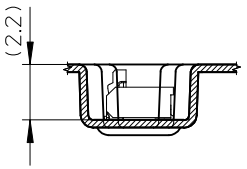
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DOCUMENT NO.: SD-503300-002
SHEET NO.: 2 OF 3
SIZE: A3

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32mm幅キャリアテープ
32mm WIDTH CARRIER TAPE



SECTION Y-Y

32	14.2	33.4	15.2	503300-5310	53
(D) キャリアテープ幅 CARRIER TAPE WIDTH	(C)	B	(A)	製品番号 MATERIAL NO.	極数 CKT.
	MODEL NO.			503300-**10	

REVISED
EC NO: J2014-1201 2014/01/29
DRWN:TMORISHITA 2014/01/29
CH'KD:KTAKAHASHI 2014/02/07
APPR:YNOGAWA
DESCRIPTION
REV
C

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±1 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	1:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY / DATE	MNIITA 2012/01/05
CHECKED BY / DATE	SHOSHIKAWA 2012/01/05
APPROVED BY / DATE	SHOSHIKAWA 2012/01/05
MATERIAL NO.	SEE CHART
TITLE	0.25MM FPC CONN. E/O H=1.2 HSG ASSY UPR EMBOSSED TAPE PACKAGE
DOCUMENT NO.	SD-503300-002
SHEET NO.	3 OF 3
SIZE	A3

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2147632113 2163012123 2183231061 0982670423 2147561082 2153482125 217471-1221 2174911202
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