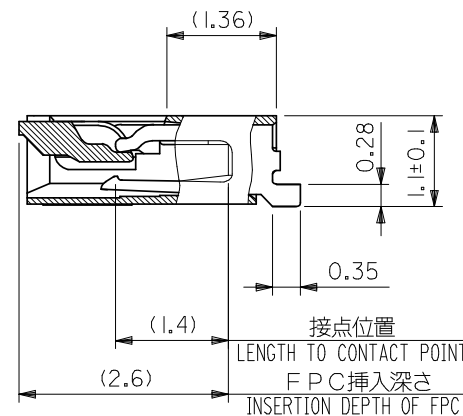
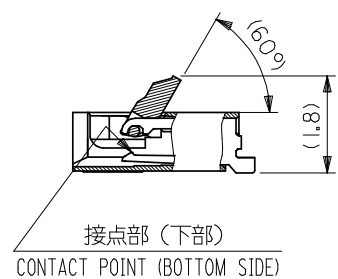
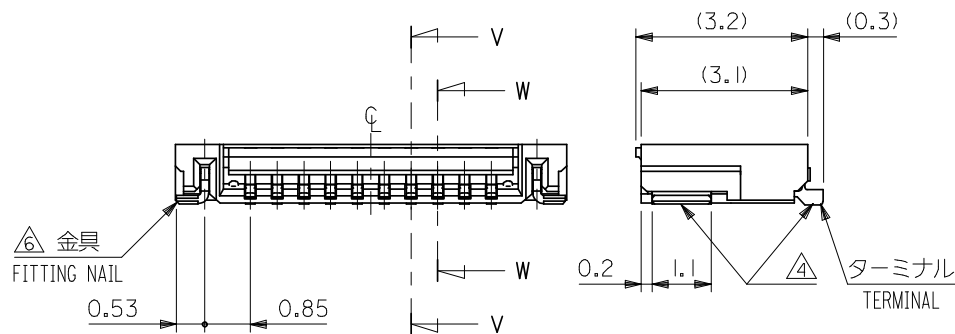


断面 V-V
SECT. V-V
(Scale 15:1)
奇数極
(ODD CIRCUIT)



断面 W-W
SECT. W-W
(Scale 15:1)
偶数極
(EVEN CIRCUIT)



(アクチュエータが開いた状態)
(WHEN ACTUATOR IS OPENED)

| | | | | | |
|------|------|------|----------------------------------|----------------------|---------------|
| 12.3 | 11.5 | 14.3 | 51441-2493 | 51441-2441 | 24 |
| 11.3 | 10.5 | 13.3 | 51441-2293 | 51441-2241 | 22 |
| 10.3 | 9.5 | 12.3 | 51441-2093 | 51441-2041 | 20 |
| 9.3 | 8.5 | 11.3 | 51441-1893 | 51441-1841 | 18 |
| 8.8 | 8.0 | 10.8 | 51441-1793 | 51441-1741 | 17 |
| 8.3 | 7.5 | 10.3 | 51441-1693 | 51441-1641 | 16 |
| 6.8 | 6.0 | 8.8 | 51441-1393 | 51441-1341 | 13 |
| 6.3 | 5.5 | 8.3 | 51441-1293 | 51441-1241 | 12 |
| 5.8 | 5.0 | 7.8 | 51441-1193 | 51441-1141 | 11 |
| 5.3 | 4.5 | 7.3 | 51441-1093 | 51441-1041 | 10 |
| 4.8 | 4.0 | 6.8 | 51441-0993 | 51441-0941 | 9 |
| 4.3 | 3.5 | 6.3 | 51441-0893 | 51441-0841 | 8 |
| 3.8 | 3.0 | 5.8 | 51441-0793 | 51441-0741 | 7 |
| 3.3 | 2.5 | 5.3 | 51441-0693 | 51441-0641 | 6 |
| C | B | A | EMBOSSD TAPE ORDER No. オーダー番号 | 製品番号 MATERIAL No. | 極数 CIRCUIT |

| | | | | | | | | | | |
|--|-------------|--|---------------------------|--|------------------------------|---|------------------------|---------------------------|--|--|
| REVISED EC NO: J2008-4048 DRWN:WABEI CHKD:THARUYAMA APPR:NUKITA REV | DESCRIPTION | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM ONLY | | SCALE 10:1 | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | | |
| | | 10 UNDER | ±0.2 | DRAWN BY M. HAYASHI | DATE 2003/12/22 | TITLE 0.5 FPC CONN. E/O HSG ASSY BTM CONT(H=1.1) -LEAD FREE- | | | | |
| | | 10 OVER 30 UNDER | ±0.25 | CHECKED BY K. TOJO | DATE 2003/12/22 | | | | | |
| | | 30 OVER | ±0.3 | APPROVED BY M. SASAO | DATE 2003/12/22 | MOLEX MOLEX INCORPORATED | | | | |
| | | ANGULAR ±3 ° | MATERIAL NO. SEE TABLE | | DOCUMENT NO. SD-51441-007 | | | SHEET NO. 1 OF 2 | | |
| | | 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 | | | | | | |

F

E

D

C

B

A

F

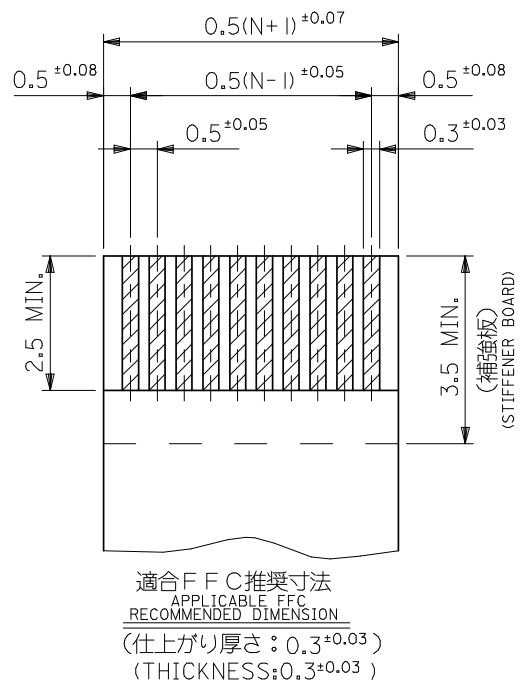
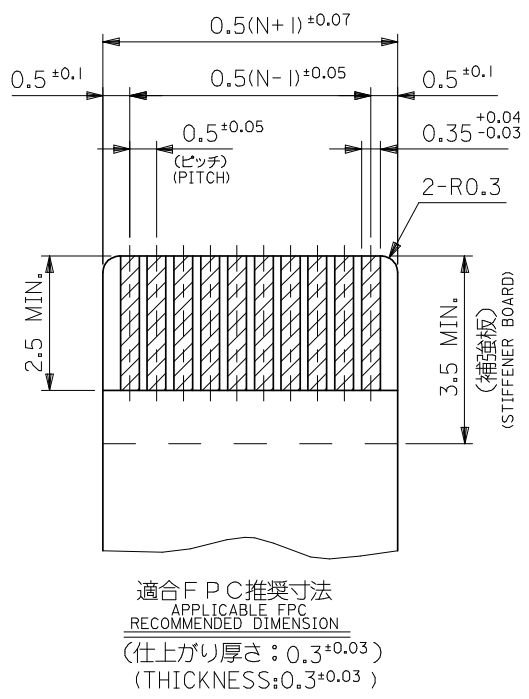
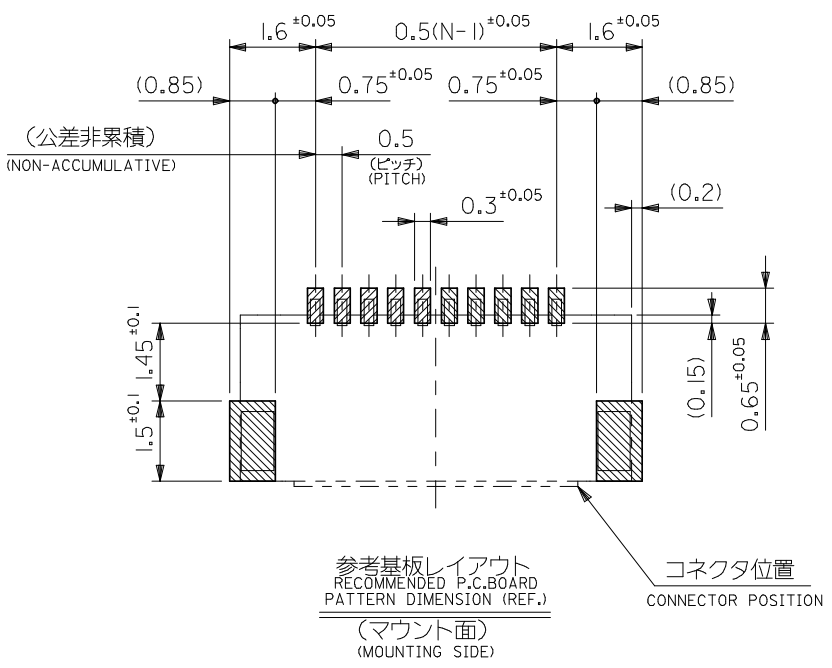
E

D

C

B

A



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 (ベージュ)
HOUSING : LIQUID CRYSTAL POLYMER GLASS FILLED, UL94V-0(BEIGE)
アクチュエータ : ポリフェニレンサルファイド ガラス充填、UL94V-0 (黒)
ACTUATOR : POLYPHENYLENE SULFIDE GLASS FILLED, UL94V-0(BLACK)
ターミナル : リン青銅 (t=0.18)
TERMINAL : PHOSPOR BRONZE
金具 : リン青銅 (t=0.15)
FITTING NAIL : PHOSPOR BRONZE

2. メッキ仕様 PLATING

ターミナル TERMINAL
ニッケル下地錫ピスマスメッキ
TIN-BISMUTH (LEAD FREE) OVER NICKEL PLATING
金具 FITTING NAIL
ニッケル下地錫メッキ
PURE TIN (LEAD FREE) OVER NICKEL PLATING

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 NO.51441-***II SHOULD BE CLOSED.
△ソルダーテール及び金具の平坦度は、0.1以下。
SOLDER TAIL AND FITTING NAIL COPLANARITY TO BE 0.1 MAXIMUM.
△偶数極に適用。
APPLY FOR EVEN CIRCUIT.
△パターンはくり止め用金具
FITTING NAIL FOR PREVENTION OF PEELING OF PCB PATTERN.
7. この製品は 51441-***II 及び 51441-***III の鉛フリー品です。
THIS PRODUCT IS LEAD FREE ITEM OF 51441-***II AND 51441-***III.

FPC/FFCについて:

打抜き方向は導体側から補強板側を推奨いたします。
導体部については軟銅箔35マイクロメートルまたは50マイクロメートルを推奨いたします。
ABOUT FPC/FFC
RECOMMENDED PUNCHER DIRECTION : FROM CONDUCTOR SIDE TO STIFFENER FILM SIDE.
RECOMMENDED CONDUCTOR SPEC :
THICKNESS OF SOFT COPPER FOIL : 35 MICROMETER OR 50 MICROMETER

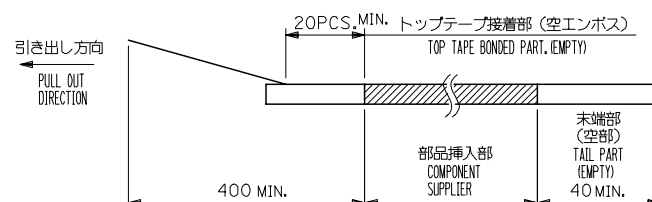
FPCについて:

補強フィルム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。
ABOUT FPC
RECOMMENDED MATERIAL :
STIFFENER FILM : POLYIMIDE
BONDING AGENT : THERMOSETTING BONDING AGENT

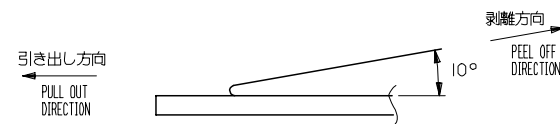
| | | | | | | | | | | |
|--|--------------------|--|--|---|--|--|------------------------|---------------------------|--|--|
| REVISED EC NO: J2008-4048 DRWN:WABEI 2008/06/13 CHKD:THARUYAMA 2008/06/16 APPR:NUKITA 2008/06/16 | DESCRIPTION REV | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM ONLY | | 51441-***41 | | MODEL NO. | | |
| | | | | | | SCALE 10:1 | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | | |
| | | 10 UNDER ±0.2 | | DRAWN BY DATE M. HAYASHI 2003/12/22 | | TITLE 0.5 FPC CONN. E/O HSG ASSY BTM CONT(H=1.1) -LEAD FREE- | | | | |
| | | 10 OVER 30 UNDER ±0.25 | | CHECKED BY DATE K. TOJO 2003/12/22 | | | | | | |
| | | 30 OVER ±0.3 | | APPROVED BY DATE M. SASAO 2003/12/22 | | molex MOLEX INCORPORATED | | | | |
| | | ANGULAR ±3 ° | | MATERIAL NO. SEE SHEET 1 | | | | | | |
| | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | SIZE A3 | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | |



1. 製品詳細寸法については、図面SD-51441-007を参照下さい。
RE DETAILED DIMENSION, SEE SD-51441-007.
2. 梱包数量：3000個/リール
NUMBER OF CONNECTORS：3000PCS/REEL
3. リードテープ長さ LEAD TAPE LENGTH

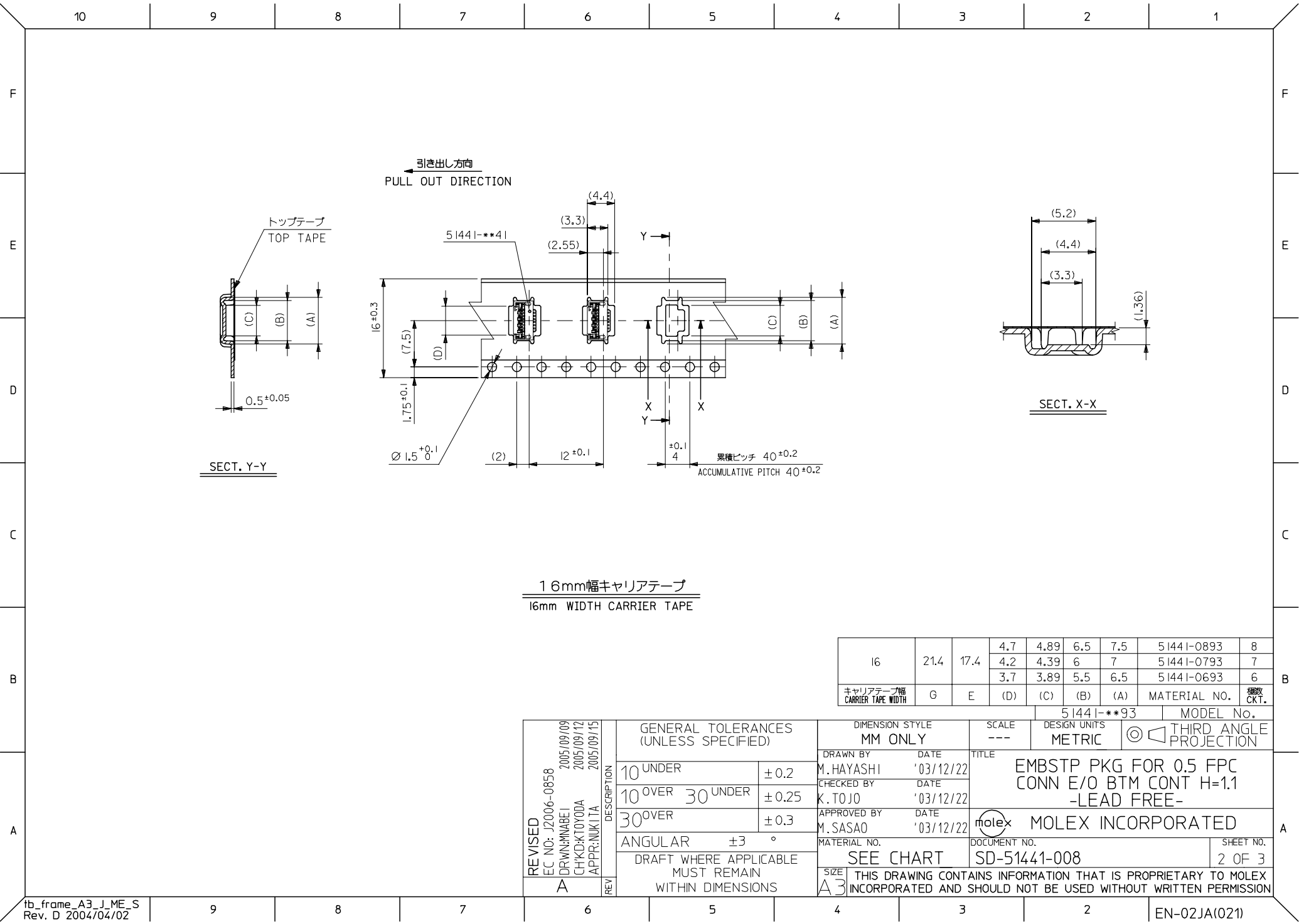


4. トップテープの剥離強度: 0.1N~1.3N {0.2gf~130gf} (剥離方向は下図参照)
尚、本規格値は出荷時に適用。(但し、輸送時に剥離が発生しないこと。)
PEELING OFF FORCE OF TOP TAPE : 0.1N ~ 1.3N(0.2gf ~ 130gf)
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT.
PEEL OFF SHOULD NOT BE ALLOWED, DURING TRANSPORTATION.



5. 材料 (MATERIAL)
 キャリアテープ (CARRIER TAPE) : ポリプロピレン (POLYPROPYLENE)
 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>
6. この製品は 51411-090 及び 51411-092 の鉛フリー品です。
 THIS PRODUCT IS LEAD FREE ITEM OF 51411-090 AND 51411-092.

| | | | | | | | | | |
|---|--|---|-----------|----------------------------|-------------------|---|------------------------|-------------|-----------|
| REVISED EC NO.: J2006-0858 DRAWN:MABEL CHKD:K TOYODA APPR:NUKI TA | DESCRIPTION | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM ONLY | | SCALE --- | DESIGN UNITS METRIC | 71441--**93 | MODEL No. |
| | | 10 UNDER | ±0.2 | DRAWN BY M. HAYASHI | DATE '03/12/22 | TITLE EMBSTP PKG FOR 0.5 FPC CONN E/O BTM CONT H=1.1 -LEAD FREE- | | | |
| | | 10 OVER 30 UNDER | ±0.25 | CHECKED BY K. TOJO | DATE '03/12/22 | | | | |
| | | 30 OVER | ±0.3 | APPROVED BY M. SASAO | DATE '03/12/22 | | | | |
| | | ANGULAR ±3 ° | | MATERIAL NO. | | DOCUMENT NO. | | SHEET NO. | |
| | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | SEE CHART | | SD-51441-008 | | 1 OF 3 | | |
| | REV A | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | | | |



SECT. Y-Y

SECT. X-X

16mm幅キャリアテープ
16mm WIDTH CARRIER TAPE

| | | | | | | | | |
|--------------------------------|------|------|-----|------|-----|-----|--------------|------------|
| 16 | 21.4 | 17.4 | 4.7 | 4.89 | 6.5 | 7.5 | 51441-0893 | 8 |
| | | | 4.2 | 4.39 | 6 | 7 | 51441-0793 | 7 |
| | | | 3.7 | 3.89 | 5.5 | 6.5 | 51441-0693 | 6 |
| キャリアテープ幅 CARRIER TAPE WIDTH | G | E | (D) | (C) | (B) | (A) | MATERIAL NO. | 模範 CKT. |

| | | | | | | | | | | |
|---|-------------|--|--|----------------------------|-------------------|--|------------------------|---------------------------|--|--|
| REVISED EC NO: J2006-0858 DRW: NABEJ CHKD: KTOYODA APPR: NUKITA | DESCRIPTION | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM ONLY | | SCALE --- | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | | |
| | | 10 UNDER | ±0.2 | DRAWN BY M.HAYASHI | DATE '03/12/22 | TITLE EMBSTP PKG FOR 0.5 FPC CONN E/O BTM CONT H=1.1 -LEAD FREE- | | | | |
| | | 10 OVER 30 UNDER | ±0.25 | CHECKED BY K.TOJO | DATE '03/12/22 | | | | | |
| | | 30 OVER | ±0.3 | APPROVED BY M.SASAO | DATE '03/12/22 | MOLEX INCORPORATED | | | | |
| | | ANGULAR | ±3 ° | MATERIAL NO. | | DOCUMENT NO. | | SHEET NO. | | |
| | REV | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | SIZE A3 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | |

