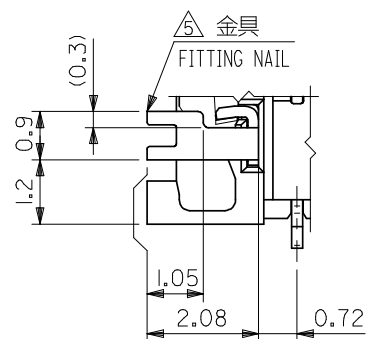
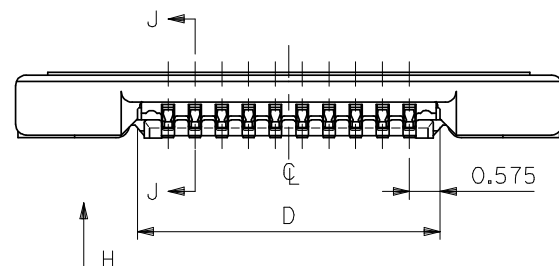
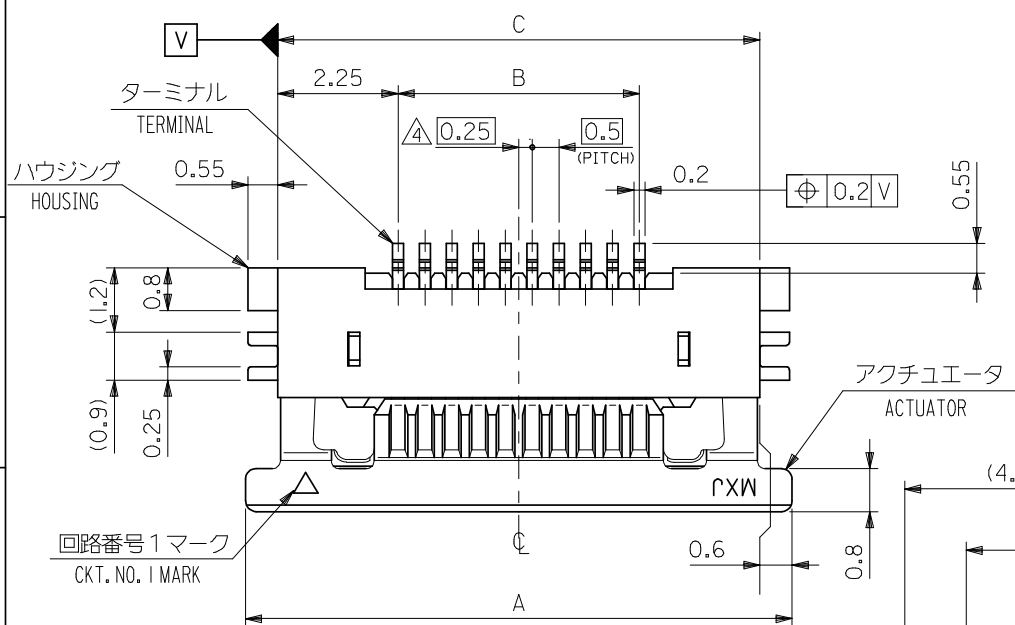
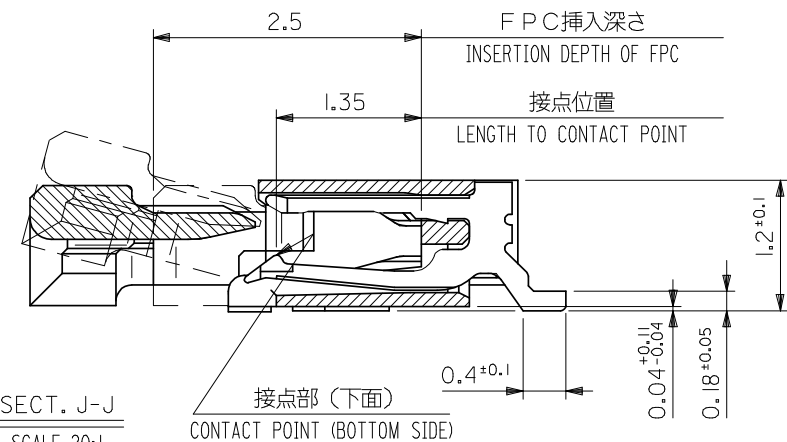




VIEW H



SECT. J-J
SCALE 20:1

D) I) D)	0.28 ±0.03	13.65	17	12.5	18.2	54548-2670	54548-26 19	26
	0.3 ±0.03	12.65	16	11.5	17.2	54548-2470	54548-24 19	24
		11.65	15	10.5	16.2	54548-2270	54548-22 19	22
		11.15	14.5	10	15.7	54548-2170	54548-21 19	21
		10.65	14	9.5	15.2	54548-2070	54548-20 19	20
		10.15	13.5	9	14.7	54548-1970	54548-19 19	19
		9.65	13	8.5	14.2	54548-1870	54548-18 19	18
		9.15	12.5	8	13.7	54548-1770	54548-17 19	17
		8.65	12	7.5	13.2	54548-1670	54548-16 19	16
		8.15	11.5	7	12.7	54548-1570	54548-15 19	15
		7.65	11	6.5	12.2	54548-1470	54548-14 19	14
		7.15	10.5	6	11.7	54548-1370	54548-13 19	13
		6.65	10	5.5	11.2	54548-1270	54548-12 19	12
		6.15	9.5	5	10.7	54548-1170	54548-11 19	11
		5.65	9	4.5	10.2	54548-1070	54548-10 19	10
		5.15	8.5	4	9.7	54548-0970	54548-09 19	9
		4.65	8	3.5	9.2	54548-0870	54548-08 19	8
		4.15	7.5	3	8.7	54548-0770	54548-07 19	7
		3.65	7	2.5	8.2	54548-0670	54548-06 19	6
		3.15	6.5	2	7.7	54548-0570	54548-05 19	5
2.65	6.0	1.5	7.2	54548-0470	54548-04 19	4		
THICKNESS OF FPC	D	C	B	A	EMBOSSED TAPE ORDER No. オーダー番号	製品番号 MATERIAL No.	極数 CIRCUIT	

REVISED	EC NO: J2008-4048	DRWN:MMABEI CH'KD:THARUYAMA APPR:NUKITA	2008/06/13 2008/06/16 2008/06/16	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
					10 UNDER	± 0.2	DRAWN BY Y. WADA	DATE 2004/01/09	TITLE 0.5 FPC CONN ZIF HSG ASSY FOR SMT RA BTM CONT -LEAD FREE-				
					10 OVER 30 UNDER	± 0.25	CHECKED BY M. SASAO	DATE 2004/01/09					
					30 OVER	± 0.3	APPROVED BY M. SASAO	DATE 2004/01/09	molex MOLEX INCORPORATED				
					ANGULAR ±3 °		MATERIAL NO.						
REV					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-54548-037		1 OF 2		
SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													

F

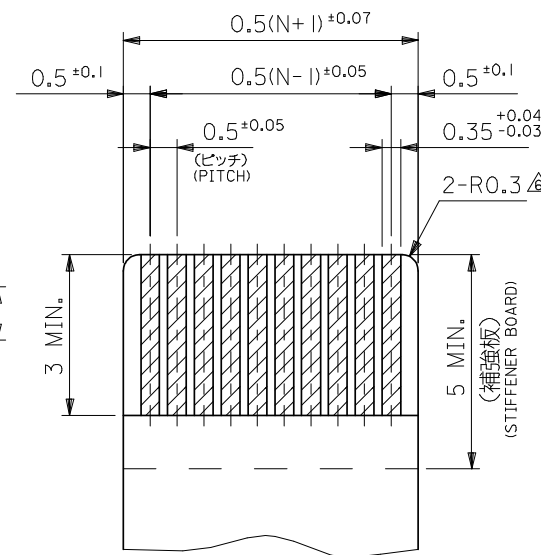
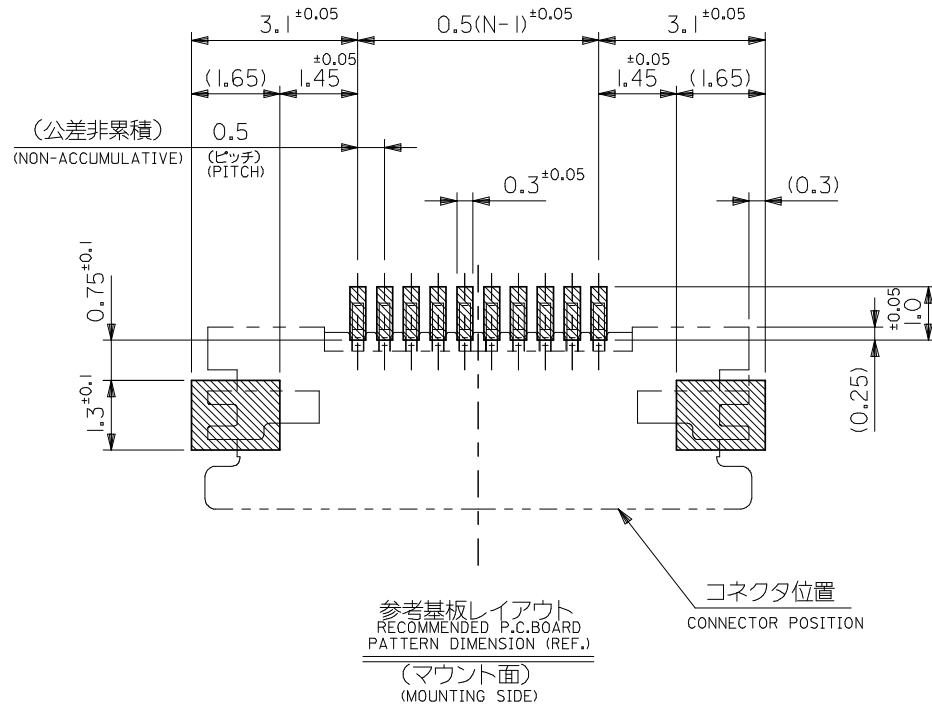
E

D

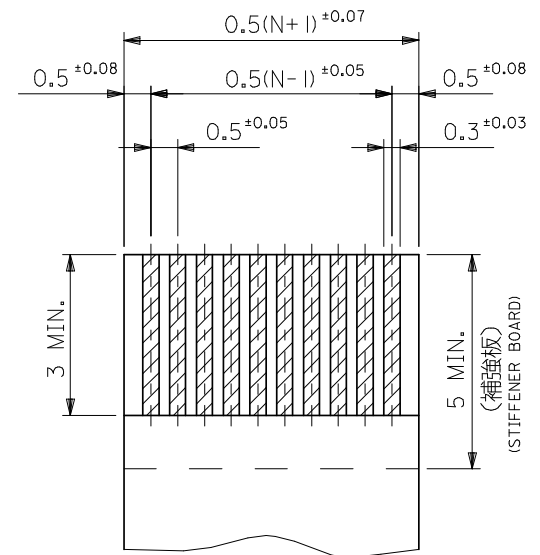
C

B

A



適合FPC推奨寸法
APPLICABLE FPC
RECOMMENDED DIMENSION
(仕上がり厚さ:表参照)
(THICKNESS:SEE CHART)



適合FFC推奨寸法
APPLICABLE FFC
RECOMMENDED DIMENSION
(仕上がり厚さ:表参照)
(THICKNESS:SEE CHART)

注記 NOTES

1. 使用材料 MATERIAL

ハウジング : LCP, UL94V-0
HOUSING

アクチュエータ : PPS, UL94V-0
ACTUATOR

ターミナル : リン青銅 (t=0.2)、ニッケル下地 鍍ビスマスメッキ
TERMINAL PHOSPHOR BRONZE, TIN-BISMUTH OVER NICKEL PLATING.

金具 : リン青銅 (t=0.2)、ニッケル下地 鍍メッキ
FITTING NAIL PHOSPHOR BRONZE, PURE-TIN OVER NICKEL PLATING.

2. エンボステープ梱包時は、アクチュエータがロックした状態とする。
IN THE PACKAGE, ACTUATOR OF PART NO.54548-**-19 SHOULD BE LOCKED.

△ソルダーテール半田付け面のズレ量、及び金具半田付け面のズレ量は、基準面 Z に対し上方向 0 MAX.、下方向 0.15 MAX. とし
相互のバツキ量は 0.1 MAX. とする。
MISALIGNMENT OF SOLDER TAILS AND FITTING NAILS FROM Z
UPPER DIRECTION: 0 MAX., LOWER DIRECTION: 0.15 MAX.
OFFSET BETWEEN UPPER AND LOWER 0.1 MAX.

△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 P.C.B. PATTERN.

△R0.3はFPC導体部にかからないこと
R0.3 MUST NOT BE OVERLAPPED TO PATTERN OF FPC.

7. N: 極数 N: CIRCUIT.

FPC/FFC について:

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銅箔35μmまたは50μmを推奨します。

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。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。

ABOUT FPC

RECOMMENDED MATERIAL/THICKNESS.

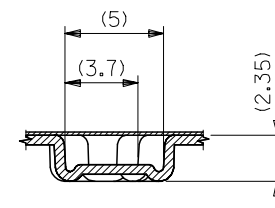
STIFFENER FILM : POLYIMIDE

BASE FILM THICKNESS : 25μm

BONDING AGENT : THERMOSETTING BONDING 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: J2008-4048 2008/06/13 DRWN:WABEI 2008/06/16 CHKD:THARUYAMA 2008/06/16 APPR:NUKITA	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	13 11 10 9 8 7 6 5 4 3 2 1 0 -1 -2 -3 -4 -5 -6 -7 -8 -9 -10 -11 -12 -13 -14 -15 -16 -17 -18 -19 -20 -21 -22 -23 -24 -25 -26 -27 -28 -29 -30 -31 -32 -33 -34 -35 -36 -37 -38 -39 -40 -41 -42 -43 -44 -45 -46 -47 -48 -49 -50 -51 -52 -53 -54 -55 -56 -57 -58 -59 -60 -61 -62 -63 -64 -65 -66 -67 -68 -69 -70 -71 -72 -73 -74 -75 -76 -77 -78 -79 -80 -81 -82 -83 -84 -85 -86 -87 -88 -89 -90 -91 -92 -93 -94 -95 -96 -97 -98 -99 -100 -101 -102 -103 -104 -105 -106 -107 -108 -109 -110 -111 -112 -113 -114 -115 -116 -117 -118 -119 -120 -121 -122 -123 -124 -125 -126 -127 -128 -129 -130 -131 -132 -133 -134 -135 -136 -137 -138 -139 -140 -141 -142 -143 -144 -145 -146 -147 -148 -149 -150 -151 -152 -153 -154 -155 -156 -157 -158 -159 -160 -161 -162 -163 -164 -165 -166 -167 -168 -169 -170 -171 -172 -173 -174 -175 -176 -177 -178 -179 -180 -181 -182 -183 -184 -185 -186 -187 -188 -189 -190 -191 -192 -193 -194 -195 -196 -197 -198 -199 -200 -201 -202 -203 -204 -205 -206 -207 -208 -209 -210 -211 -212 -213 -214 -215 -216 -217 -218 -219 -220 -221 -222 -223 -224 -225 -226 -227 -228 -229 -230 -231 -232 -233 -234 -235 -236 -237 -238 -239 -240 -241 -242 -243 -244 -245 -246 -247 -248 -249 -250 -251 -252 -253 -254 -255 -256 -257 -258 -259 -260 -261 -262 -263 -264 -265 -266 -267 -268 -269 -270 -271 -272 -273 -274 -275 -276 -277 -278 -279 -280 -281 -282 -283 -284 -285 -286 -287 -288 -289 -290 -291 -292 -293 -294 -295 -296 -297 -298 -299 -300 -301 -302 -303 -304 -305 -306 -307 -308 -309 -310 -311 -312 -313 -314 -315 -316 -317 -318 -319 -320 -321 -322 -323 -324 -325 -326 -327 -328 -329 -330 -331 -332 -333 -334 -335 -336 -337 -338 -339 -340 -341 -342 -343 -344 -345 -346 -347 -348 -349 -350 -351 -352 -353 -354 -355 -356 -357 -358 -359 -360 -361 -362 -363 -364 -365 -366 -367 -368 -369 -370 -371 -372 -373 -374 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SECT. X-X

16	21.4	17.4	4.3	8.4	9.5	54548-0670	6
			3.8	7.9	9	54548-0570	5
			3.3	7.4	8.5	54548-0470	4
キャリアテープ幅 CARRIER TAPE WIDTH	E	D	(C)	(B)	(A)	製品番号 MATERIAL No.	極数 CIRCUITS

REVISED	EC NO: J2005-2516	DRAWN: HWABEI	2005/02/28	CHKD: KATOYODA	2005/02/28	APPR: NUKITA	2005/03/07	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
									10 UNDER	± 0.2	DRAWN BY Y. WADA	DATE 2004/01/09	TITLE EMBSTP PKG FOR 0.5 FPC CONN ZIF HSG ASSY -LEAD FREE-			
									10 OVER 30 UNDER	± 0.25	CHECKED BY M. SASAO	DATE 2004/01/09				
									30 OVER	± 0.3	APPROVED BY M. SASAO	DATE 2004/01/09	molex MOLEX INCORPORATED			
									ANGULAR ±3 °		MATERIAL NO.					
REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-54548-038		2 OF 4									
	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

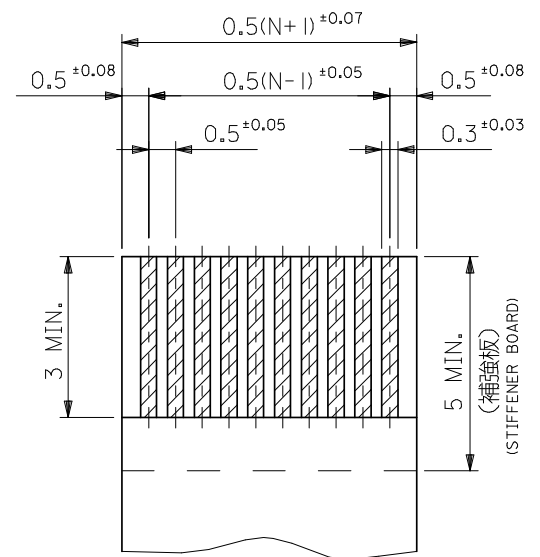
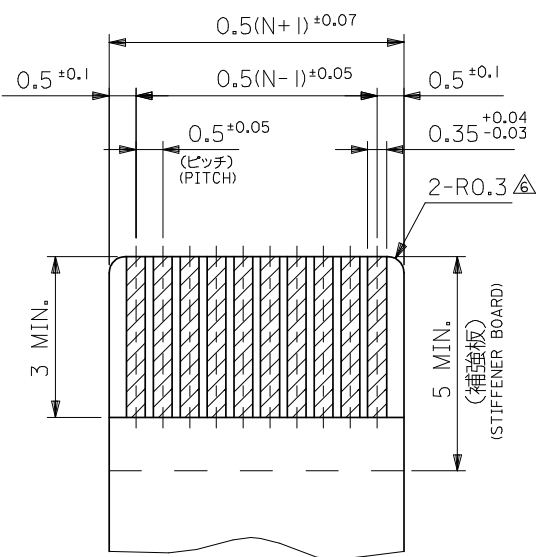
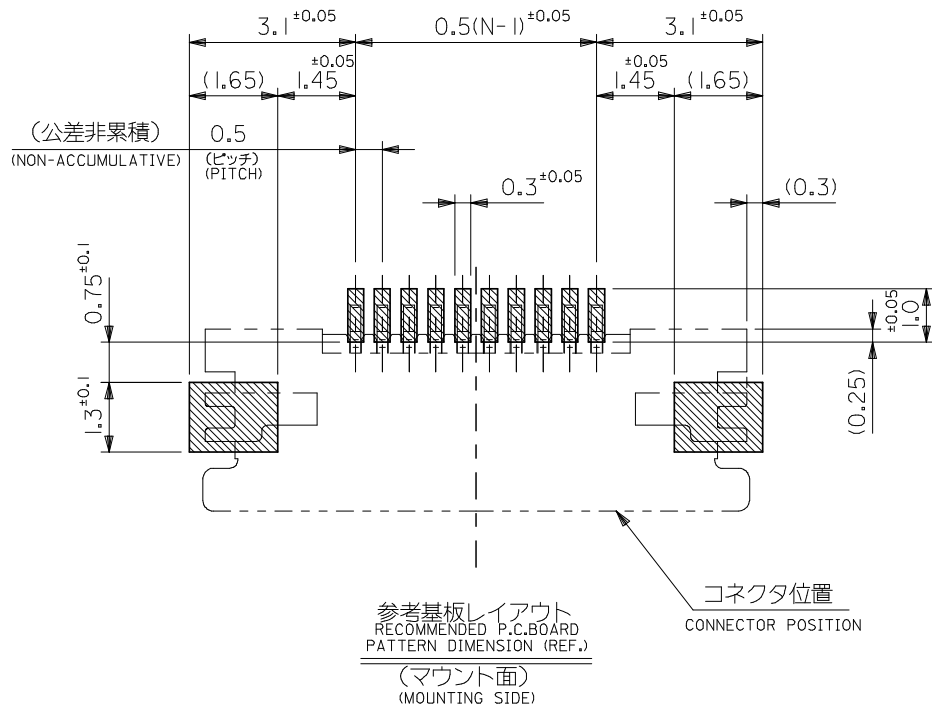
E

D

C

B

A



適合FPC推奨寸法
APPLICABLE FPC
RECOMMENDED DIMENSION
(仕上がり厚さ: 表参照)
(THICKNESS: SEE CHART)

適合FFC推奨寸法
APPLICABLE FFC
RECOMMENDED DIMENSION
(仕上がり厚さ: 表参照)
(THICKNESS: SEE CHART)

注記 NOTES

I. 使用材料 MATERIAL

- ハウジング : LCP, UL94V-0
HOUSING
アクチュエータ : PPS, UL94V-0
ACTUATOR
ターミナル : リン青銅 (t=0.2)
TERMINAL PHOSPOR BRONZE
メッキ : 接点部: 金メッキ
PLATING CONTACT PORTION : GOLD PLATING
テール部: 鍍メッキ
SOLDERING PORTION : TIN OVER PLATING
下地: ニッケルメッキ
UNDER PLATING: NICKEL PLATING
金具 : リン青銅、鍍メッキ (t=0.2)
FITTING NAIL PHOSPOR BRONZE, TIN PLATING
下地: ニッケルメッキ
UNDER PLATING: NICKEL PLATING

- △ パターンはくり止め用金具
FITTING NAIL FOR PREVENTION OF PEELING
OF P.C.B. PATTERN.
△ R0.3はFPC導体部にかからないこと
R0.3 MUST NOT BE OVERLAPPED TO PATTERN OF FPC.
7. 本製品は54548-**-21の鉛フリー(部分金メッキ)品である。
THIS PRODUCT IS LEAD FREE OF 54548-**-21 (SELECTIVE GOLD).
8. N: 極数 N: CIRCUIT.

2. エンボステープ梱包時は、アクチュエータがロックした状態とする。
IN THE PACKAGE, ACTUATOR OF PART NO. 54548-**-29 SHOULD BE LOCKED.
△ ソルダータール半田付け面のズレ量、及び金具半田付け面のズレ量は、基準面 Z
に対し上方向 0 MAX.、下方向 0.15 MAX.とし
相互のバツキ量は0.1 MAX.とする。
MISALIGNMENT OF SOLDER TAILS AND FITTING NAILS FROM Z
UPPER DIRECTION: 0 MAX., LOWER DIRECTION: 0.15 MAX.
OFFSET BETWEEN UPPER AND LOWER 0.1 MAX.
△ 偶数極に適用。
APPLY FOR EVEN CIRCUIT.

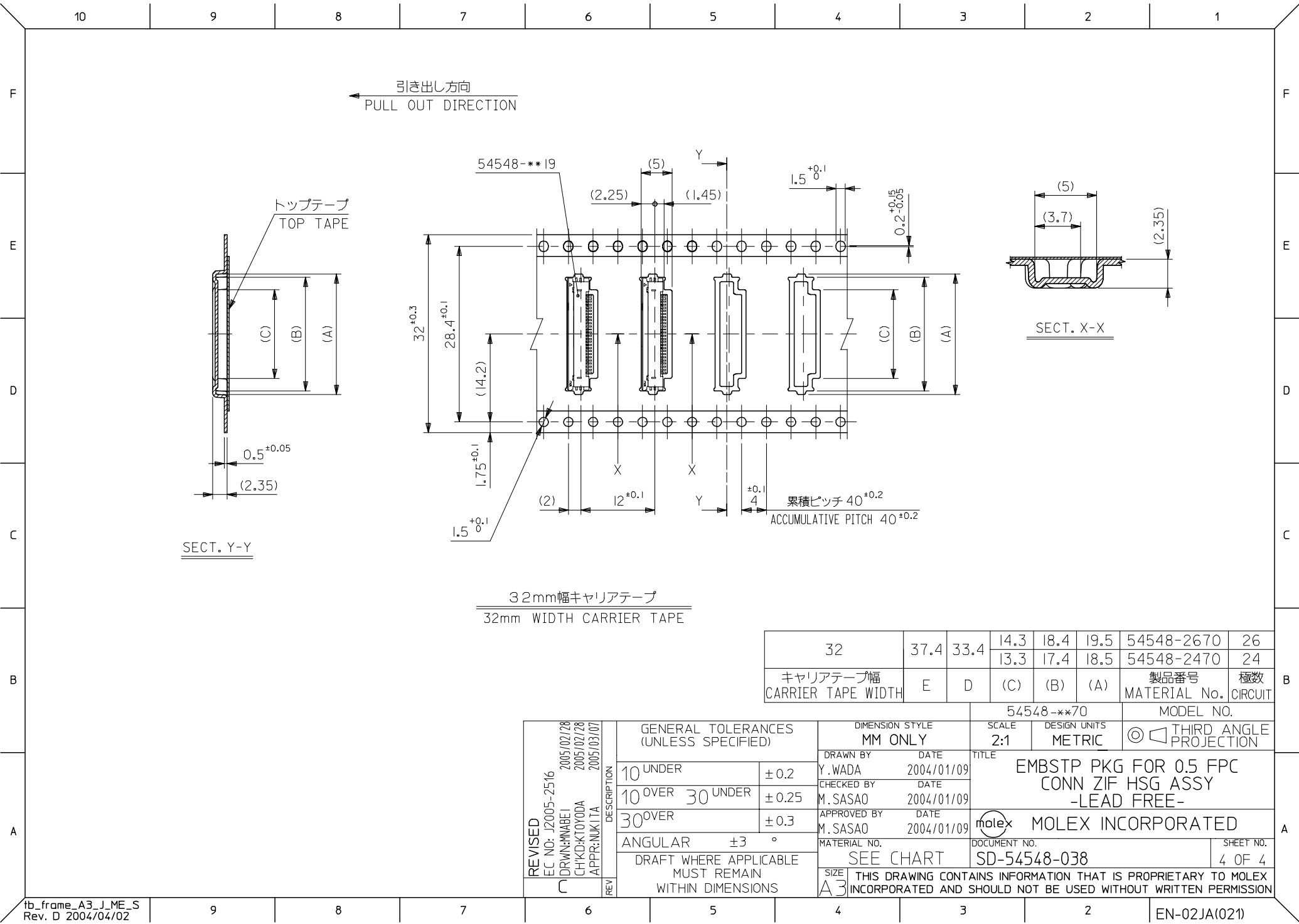
FPC/FFC について:

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銅箔35μmまたは50μmを推奨します。
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。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。
ABOUT FPC
RECOMMENDED MATERIAL/THICKNESS.
STIFFENER FILM : POLYIMIDE
BASE FILM THICKNESS : 25μm
BONDING AGENT : THERMOSETTING BONDING 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: J2008-4048	2008/06/13	DRWN: WABEI	2008/06/16	CHKD: THARUYAMA	2008/06/16	APPR: NUKITA	DESCRIPTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	MODEL No. 54548-**-29	THIRD ANGLE PROJECTION	
10 UNDER		±0.2		DRAWN BY		DATE		TITLE		HSHIMABUKURO		'04/02/10		0.5 FPC CONN ZIF HSG ASSY FOR SMT RA BTM CONT -LEAD FREE-		MOLEX INCORPORATED		SHEET NO. 2 OF 2	
10 OVER 30 UNDER		±0.25		CHECKED BY		DATE		APPROVED BY		MSASAO		'04/02/10		MATERIAL NO.		DOCUMENT NO.		SD-54548-039	
30 OVER		±0.3		ANGULAR		±3 °		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							



32	37.4	33.4	14.3	18.4	19.5	54548-2670	26
キャリアテープ幅 CARRIER TAPE WIDTH	E	D	13.3	17.4	18.5	54548-2470	24
						製品番号 MATERIAL No.	極数 CIRCUIT

REVISED EC NO: J2005-2516 DRWN: NABEI CHKD: KTOYODA APPR: NUKITA	2005/02/28 2005/02/28 2005/03/07	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
			10 UNDER	±0.2	DRAWN BY Y. WADA	DATE 2004/01/09	TITLE EMBSTP PKG FOR 0.5 FPC CONN ZIF HSG ASSY -LEAD FREE-			
			10 OVER 30 UNDER	±0.25	CHECKED BY M. SASAO	DATE 2004/01/09				
			30 OVER	±0.3	APPROVED BY M. SASAO	DATE 2004/01/09				
			ANGULAR ±3 °		MATERIAL NO.			DOCUMENT NO.		SHEET NO.
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-54548-038			4 OF 4
					SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				