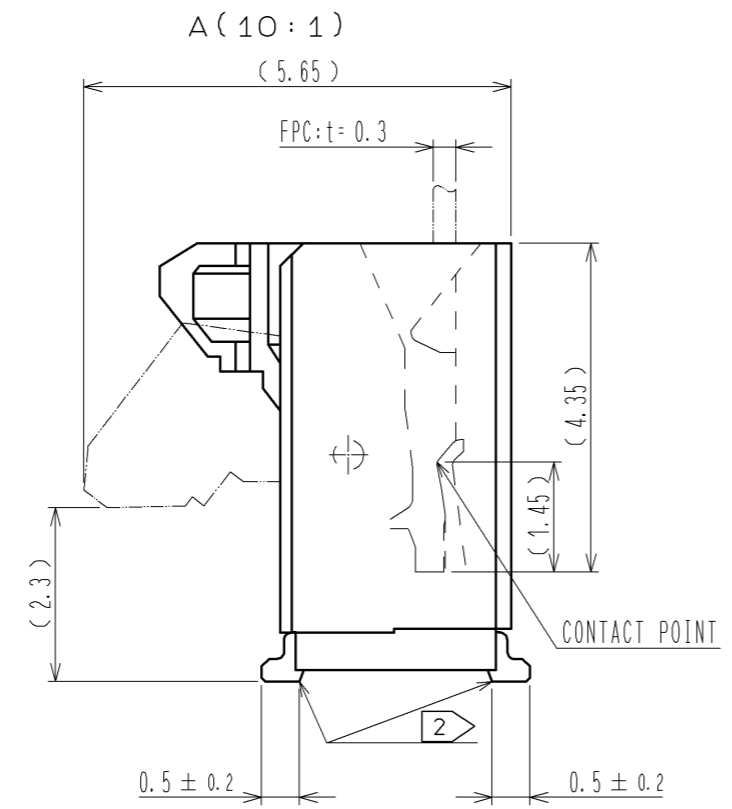
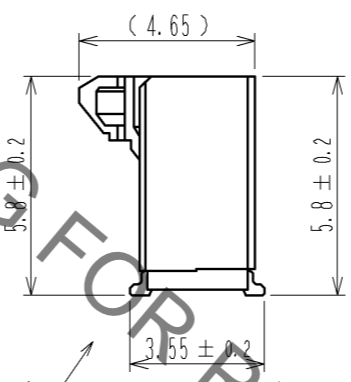
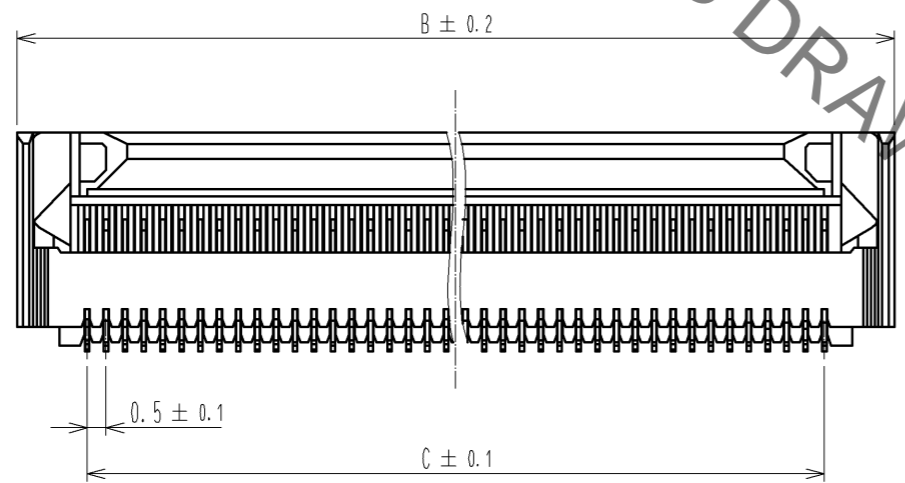
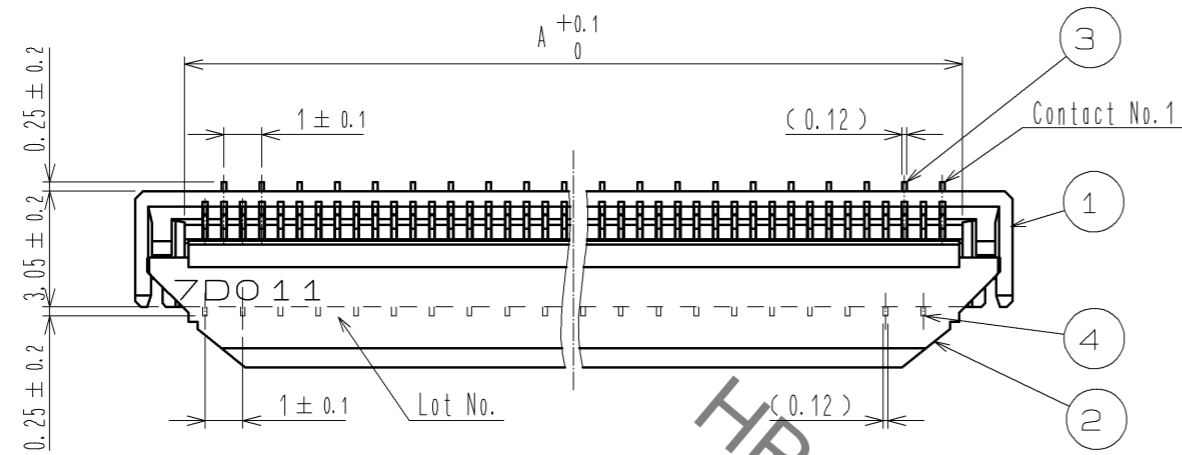


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- NOTES 1. The dimension in parentheses are for reference.
 2. Lead CO-PLANARITY shall be 0.1 MAX.
 3. See dimension table in the appendix.
 4. This product satisfies halogen free requirements defined as 900ppm maximum chlorine, 900ppm maximum bromine, and 1500ppm maximum total of chlorine and bromine.
 5. 'n' represents the number of contacts.

HRS DRAWING FOR REFERENCE

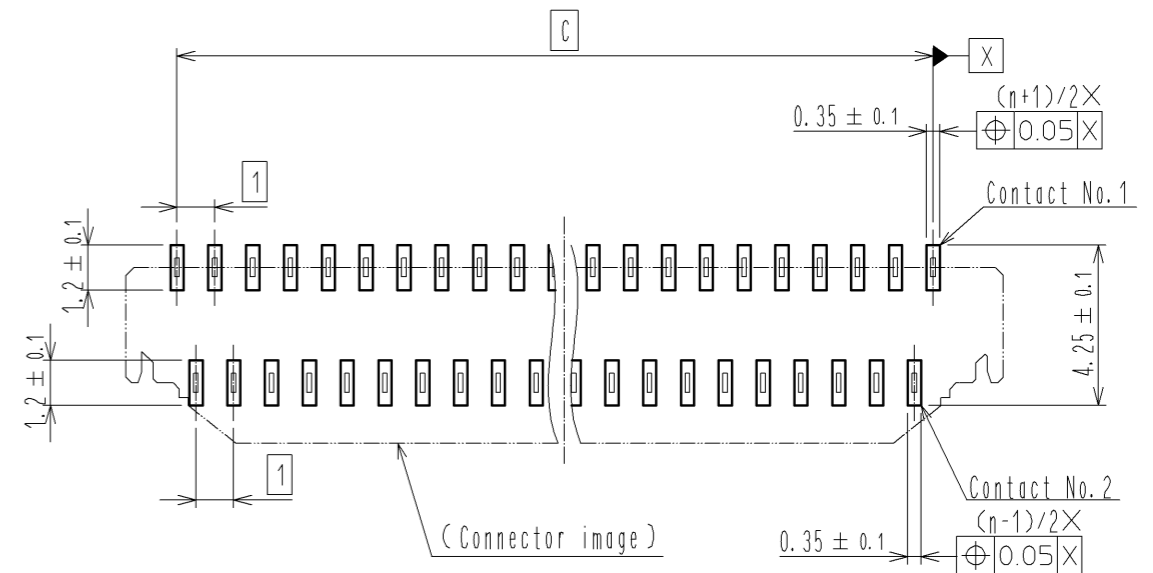
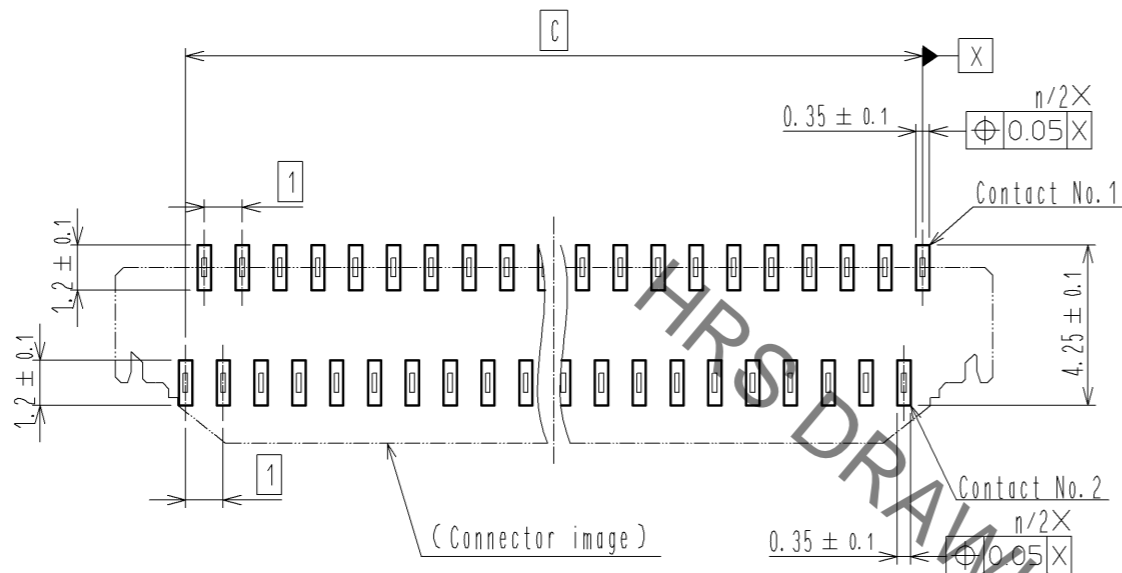
| 4 | PHOSPHOR BRONZE | (CONTACT AREA: LEAD) GOLD PLATING 0.05µm MIN. OVER NICKEL 1µm MIN. (OTHER) NICKEL 1µm MIN. | | | |
|-------------------------|-----------------|--|------------|----------------------------|------------------|
| 3 | PHOSPHOR BRONZE | (CONTACT AREA: LEAD) GOLD PLATING 0.05µm MIN. OVER NICKEL 1µm MIN. (OTHER) NICKEL 1µm MIN. | 8 | (CONNECTOR) | |
| 2 | LCP | (BLACK) | 6 | POLYESTER | |
| 1 | LCP | (BEIGE) | 5 | POLYSTYRENE | |
| NO. | MATERIAL | FINISH . REMARKS | NO. | MATERIAL | FINISH . REMARKS |
| UNITS mm | | SCALE 5 : 1 | COUNT △ | DESCRIPTION OF REVISIONS | |
| DESIGNED | | CHECKED | | DATE | |
| APPROVED : NF. MIYAZAKI | | 14.12.24 | | DRAWING NO. EDC3-159298-05 | |
| CHECKED : HS. SAKAMOTO | | 14.12.24 | | PART NO. FH40-**S-0.5SV | |
| DESIGNED : RT. IKEDA | | 14.12.24 | | CODE NO. CL580 | |
| DRAWN : RK. OGASAWARA | | 14.12.22 | | △ 1/5 | |

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RECOMMENDED PCB MOUNTING PATTERN

NUMBER OF CONTACTS: EVEN NUMBER

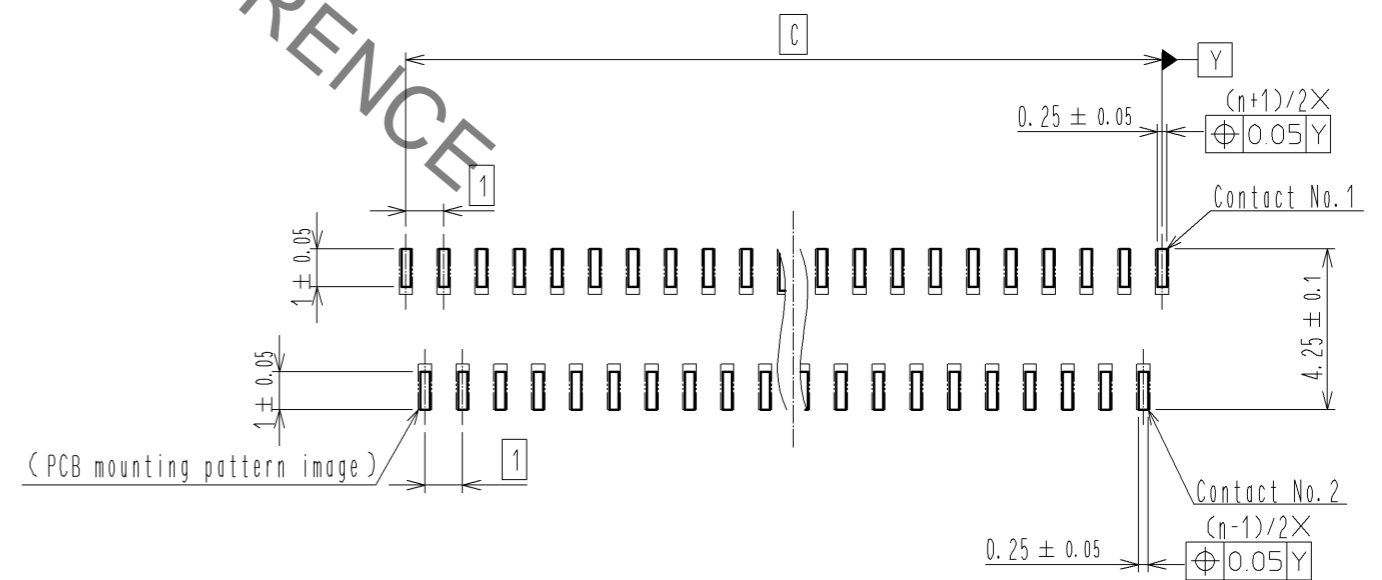
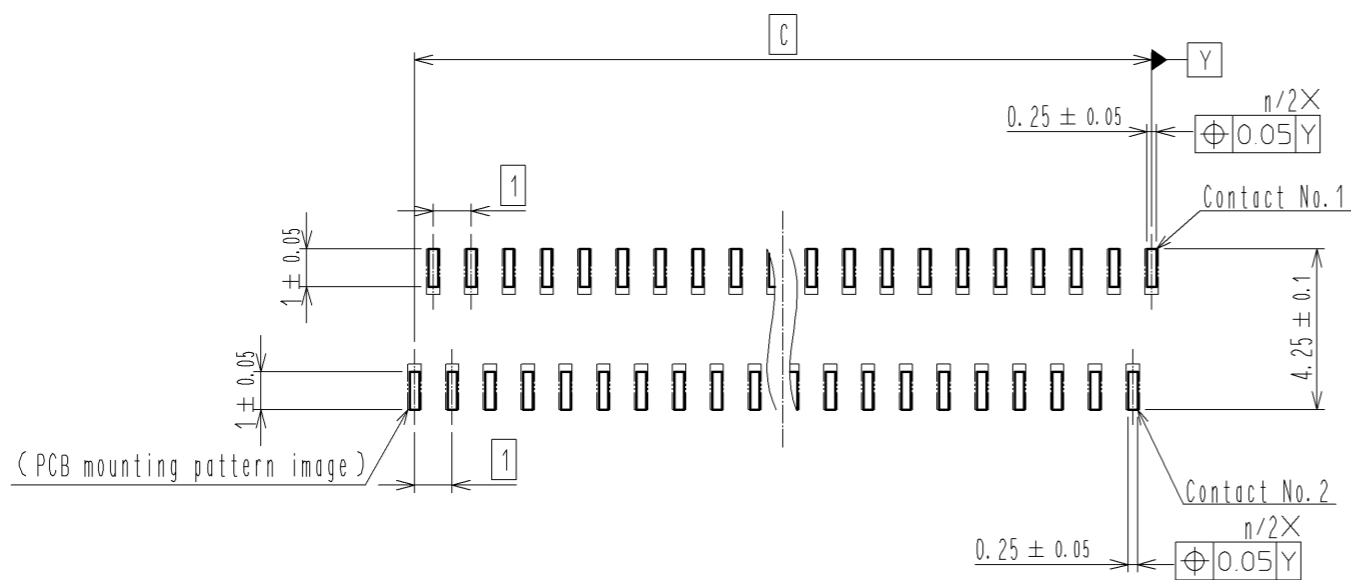
NUMBER OF CONTACTS: ODD NUMBER



RECOMMENDED STENCIL PATTERN
 (RECOMMENDED STENCIL THICKNESS : t=0.15)

NUMBER OF CONTACTS: EVEN NUMBER

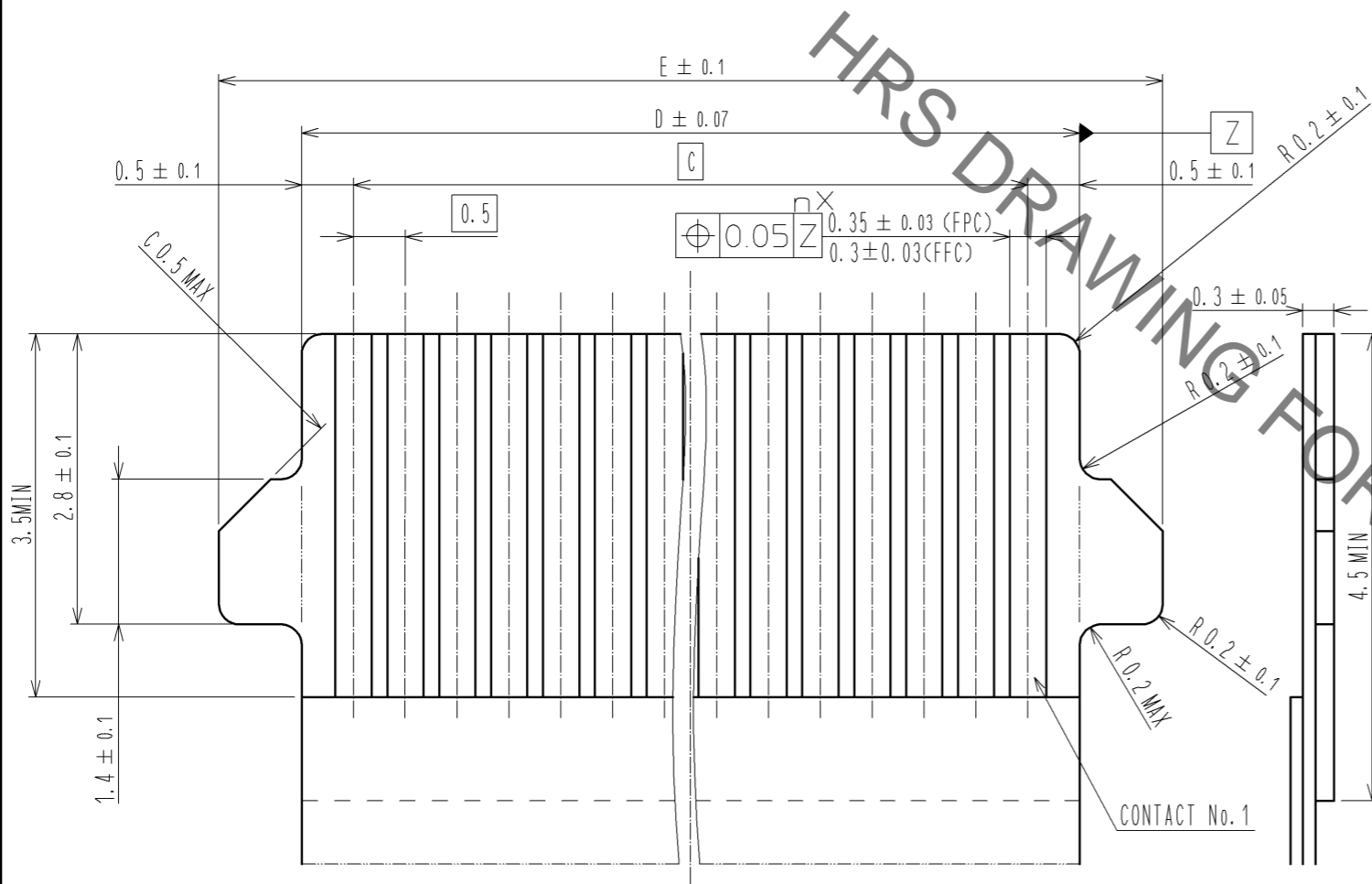
NUMBER OF CONTACTS: ODD NUMBER



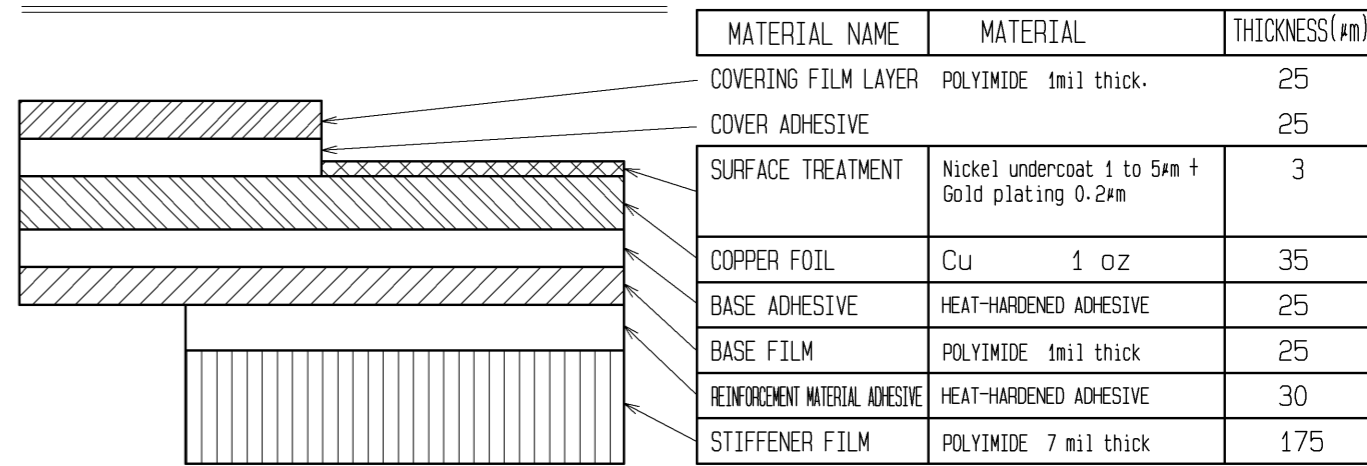
| | | |
|------------|-------------|-----------------|
| HRS | DRAWING NO. | EDC3-159298-05 |
| | PART NO. | FH40-***S-0.5SV |
| | CODE NO. | CL580 |
| | | △ 2/5 |

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RECOMMENDED FPC/FFC (15:1)

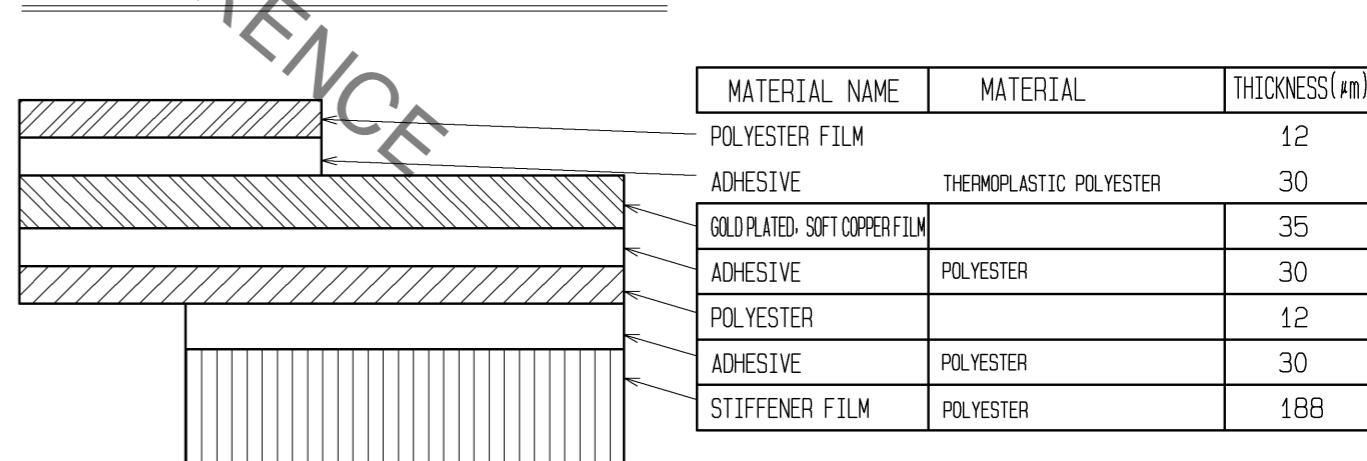


FPC CONFIGURATION (REFERENCE EXAMPLE) (SCALE:FREE)



| MATERIAL NAME | MATERIAL | THICKNESS(#m) |
|---------------------------------|--|---------------|
| COVERING FILM LAYER | POLYIMIDE 1mil thick. | 25 |
| COVER ADHESIVE | | 25 |
| SURFACE TREATMENT | Nickel undercoat 1 to 5#m + Gold plating 0.2#m | 3 |
| COPPER FOIL | Cu 1 oz | 35 |
| BASE ADHESIVE | HEAT-HARDENED ADHESIVE | 25 |
| BASE FILM | POLYIMIDE 1mil thick | 25 |
| REINFORCEMENT MATERIAL ADHESIVE | HEAT-HARDENED ADHESIVE | 30 |
| STIFFENER FILM | POLYIMIDE 7 mil thick | 175 |

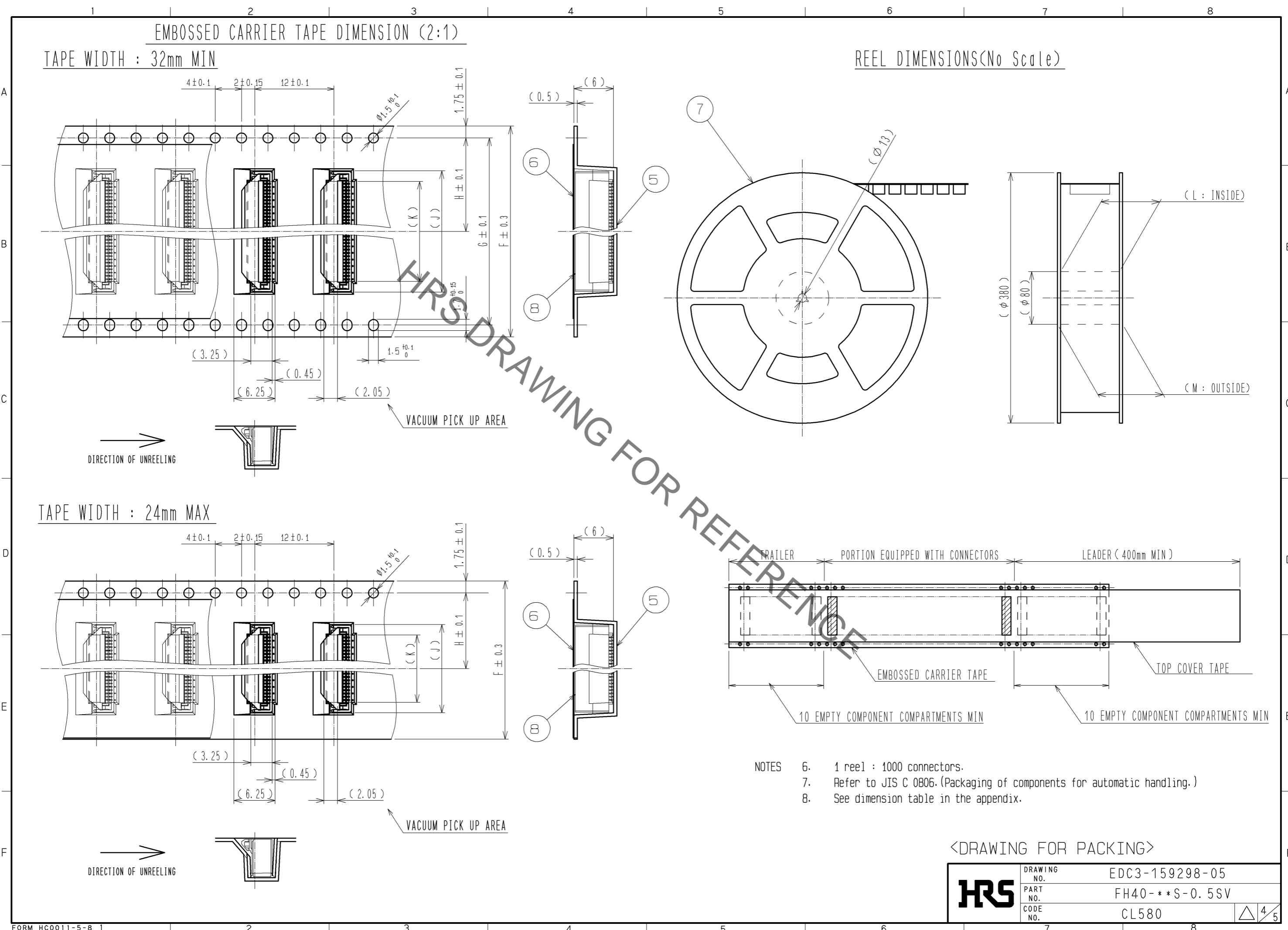
FFC CONFIGURATION (REFERENCE EXAMPLE) (SCALE:FREE)



| MATERIAL NAME | MATERIAL | THICKNESS(#m) |
|------------------------------|-------------------------|---------------|
| POLYESTER FILM | | 12 |
| ADHESIVE | THERMOPLASTIC POLYESTER | 30 |
| GOLD PLATED SOFT COPPER FILM | | 35 |
| ADHESIVE | POLYESTER | 30 |
| POLYESTER | | 12 |
| ADHESIVE | POLYESTER | 30 |
| STIFFENER FILM | POLYESTER | 188 |

| | | |
|------------|-------------|-----------------|
| HRS | DRAWING NO. | EDC3-159298-05 |
| | PART NO. | FH40-***S-0.5SV |
| | CODE NO. | CL580 |
| | 3/5 | |

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| | | |
|-------------|-------------|----------------|
| HIRS | DRAWING NO. | EDC3-159298-05 |
| | PART NO. | FH40-**S-0.5SV |
| | CODE NO. | CL580 |
| | | △ 4/5 |

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| PART NO. | CODE NO. | NUMBER OF CONTACT | DIMENSION OF CONNECTOR, PCB MOUNTING PATTERN, STENCIL PATTERN AND FFC/FPC | | | | | DIMENSION OF DRAWING FOR PACKING | | | | | | |
|----------------|--------------|-------------------|---|------|------|------|------|----------------------------------|------|------|------|------|------|------|
| | | | A | B | C | D | E | F | G | H | J | K | L | M |
| FH40-10S-0.5SV | CL580-2104-6 | 10 | 5.57 | 8.2 | 4.5 | 5.5 | 7.1 | 16 | — | 7.5 | 8.4 | 5.2 | 17.4 | 21.4 |
| FH40-20S-0.5SV | CL580-2105-9 | 20 | 10.57 | 13.2 | 9.5 | 10.5 | 12.1 | 24 | — | 11.5 | 13.4 | 10.2 | 25.4 | 29.4 |
| FH40-24S-0.5SV | CL580-2106-1 | 24 | 12.57 | 15.2 | 11.5 | 12.5 | 14.1 | 24 | — | 11.5 | 15.4 | 12.2 | 25.4 | 29.4 |
| FH40-30S-0.5SV | CL580-2108-7 | 30 | 15.57 | 18.2 | 14.5 | 15.5 | 17.1 | 32 | 28.4 | 14.2 | 18.4 | 15.2 | 33.4 | 37.4 |
| FH40-40S-0.5SV | CL580-2107-4 | 40 | 20.57 | 23.2 | 19.5 | 20.5 | 22.1 | 44 | 40.4 | 20.2 | 23.4 | 20.2 | 45.4 | 49.4 |
| FH40-45S-0.5SV | CL580-2101-8 | 45 | 23.07 | 25.7 | 22.0 | 23.0 | 24.6 | 44 | 40.4 | 20.2 | 25.9 | 22.7 | 45.4 | 49.4 |
| FH40-50S-0.5SV | CL580-2100-5 | 50 | 25.57 | 28.2 | 24.5 | 25.5 | 27.1 | 44 | 40.4 | 20.2 | 28.4 | 25.2 | 45.4 | 49.4 |
| FH40-60S-0.5SV | CL580-2109-0 | 60 | 30.57 | 33.2 | 29.5 | 30.5 | 32.1 | 56 | 52.4 | 26.2 | 33.4 | 30.2 | 57.4 | 61.4 |
| FH40-64S-0.5SV | CL580-2102-0 | 64 | 32.57 | 35.2 | 31.5 | 32.5 | 34.1 | 56 | 52.4 | 26.2 | 35.4 | 32.2 | 57.4 | 61.4 |
| FH40-80S-0.5SV | CL580-2103-3 | 80 | 40.57 | 43.2 | 39.5 | 40.5 | 42.1 | 56 | 52.4 | 26.2 | 43.4 | 40.2 | 57.4 | 61.4 |

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 DRAWING FOR REFERENCE

| | | | |
|------------|-------------|-----------------|-------|
| HRS | DRAWING NO. | EDC3-159298-05 | |
| | PART NO. | FH40-***S-0.5SV | |
| | CODE NO. | CL580 | △ 5/5 |