

4

3

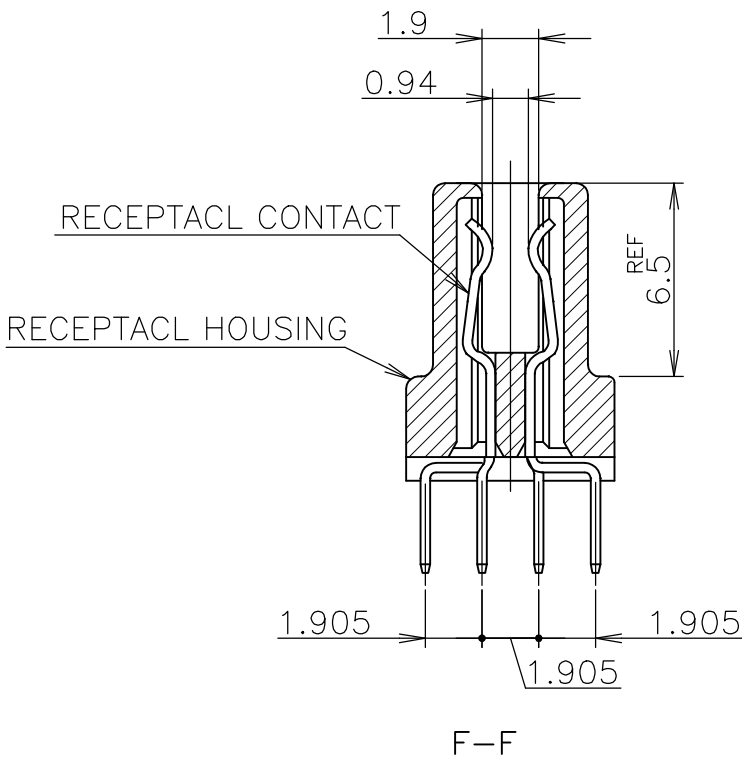
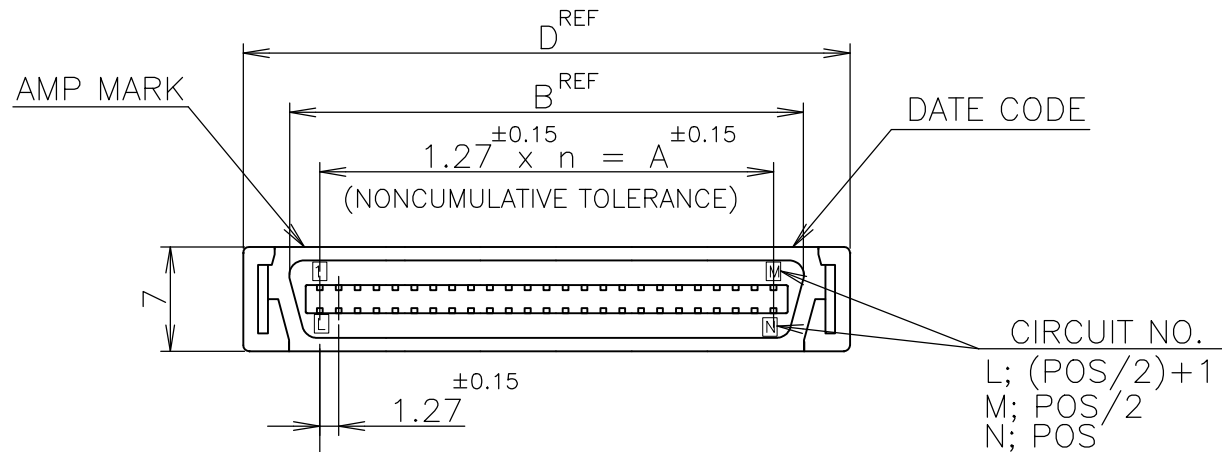
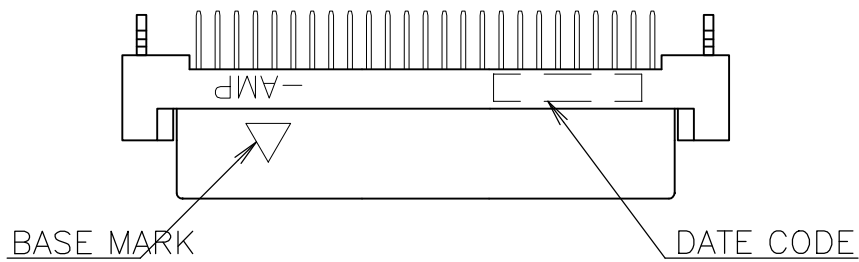
2

1

| REVISIONS |     |                           |           |     |      |
|-----------|-----|---------------------------|-----------|-----|------|
| P         | LTR | DESCRIPTION               | DATE      | DWN | APVD |
|           | C   | REVISED PER ECO-17-008763 | 22JAN2018 | RG  | SH   |

D

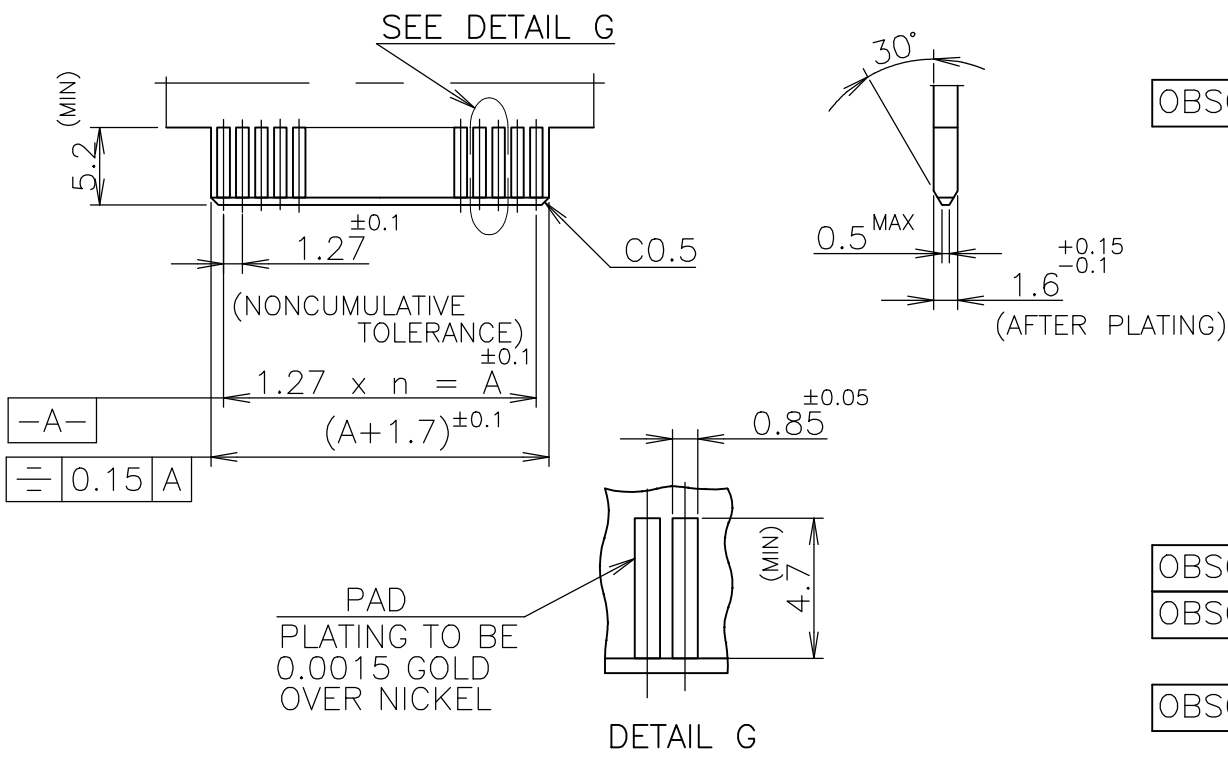
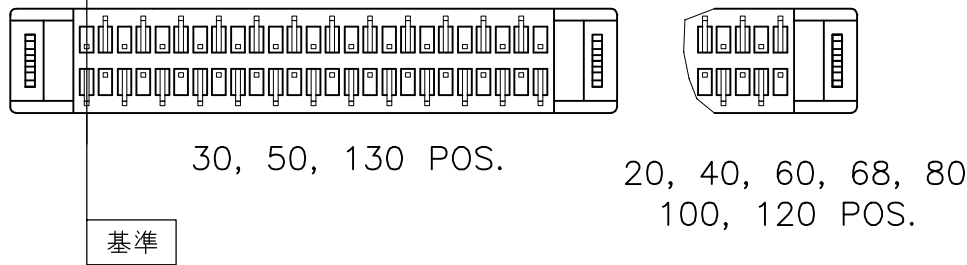
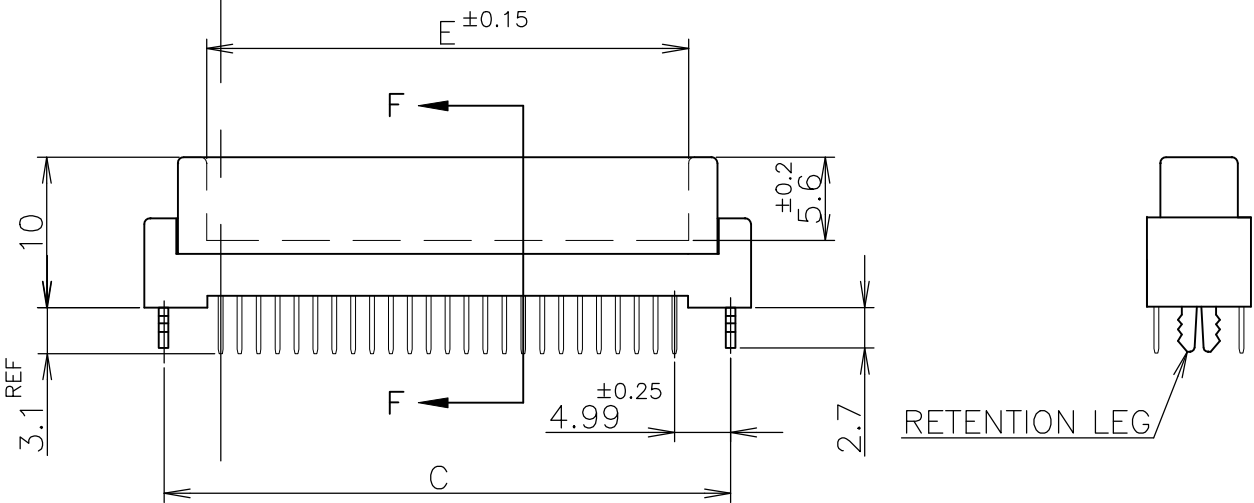
D



- 1 NUMBER "n" IS COUNTED FROM [DATUM]  
(CIRCUIT NO.1 IS "AMP" MARK SIDE.)  
2 MATERIAL: HOUSING, 66 NYLON (GF) UL 94V-0, BLACK.  
: CONTACT, PHOSPHOR BRONZE.  
: RETENTION LEG; BRASS.  
3 FINISH: CONTACT; Au AT CONTACT AREA (SEE TABLE),  
TIN AT TINE, OVER Ni.  
RETENTION LEG; TIN UNDER Ni.  
4 P.C. BOARD THK MUST BE 1.6 ±0.15 FOR CARD EDGE CONNECTOR

C

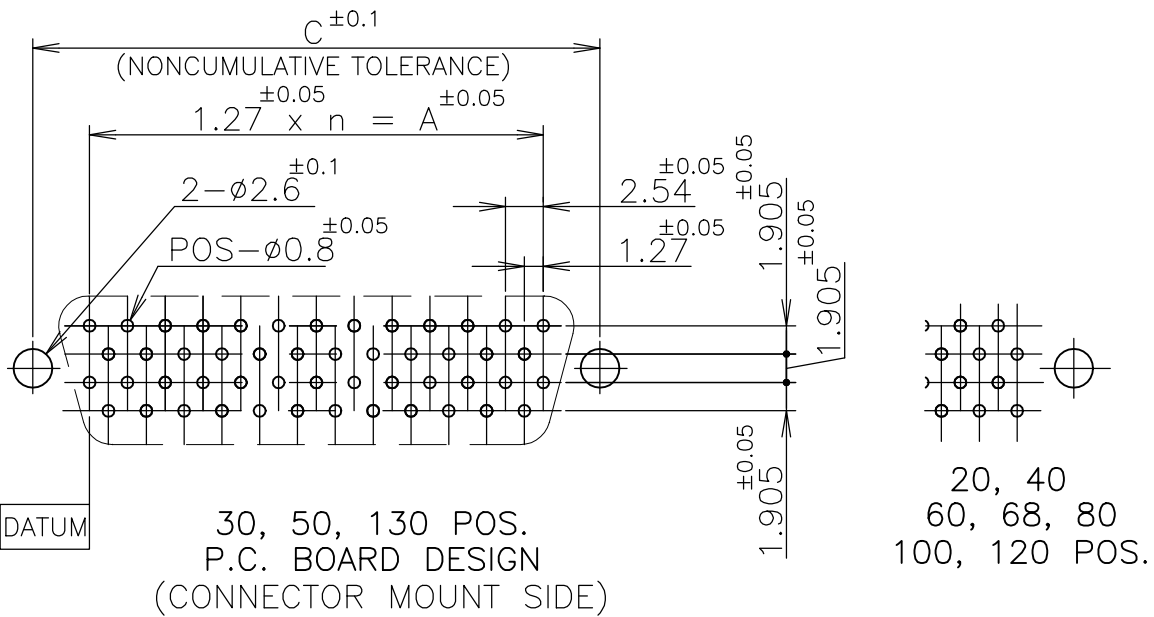
C



RECOMMENDED P.C. BOARD DIMMENSIONS.  
4

B

B



A

A

LEAD FREE

GENERAL TOLERANCE  
10 ≥ : ±0.2  
30 ≥ > 10: ±0.25  
100 ≥ > 30: ±0.3  
ANGLES: ±3°

|          |          |    |           |        |    |       |       |       |       |       |
|----------|----------|----|-----------|--------|----|-------|-------|-------|-------|-------|
| OBSOLETE | 6-       | -2 |           | 130    | 64 | 81.28 | 86.82 | 91.25 | 93.90 | 83.18 |
|          | 6-       | -1 |           | 120    | 59 | 74.93 | 80.47 | 84.90 | 87.55 | 76.83 |
| OBSOLETE | 6-       | -0 |           | 100    | 49 | 62.23 | 67.77 | 72.20 | 74.85 | 64.13 |
| OBSOLETE | 5-       | -9 |           | 80     | 39 | 49.53 | 55.07 | 59.50 | 62.15 | 51.43 |
|          | 5-       | -8 |           | 68     | 33 | 41.91 | 47.45 | 51.88 | 54.53 | 43.81 |
|          | 5-       | -7 |           | 60     | 29 | 36.83 | 42.37 | 46.80 | 49.45 | 38.73 |
|          | 5-       | -6 |           | 50     | 24 | 30.48 | 36.02 | 40.45 | 43.10 | 32.38 |
|          | 5-       | -5 |           | 40     | 19 | 24.13 | 29.67 | 34.10 | 36.75 | 26.03 |
|          | 5-       | -3 |           | 30     | 14 | 17.78 | 23.32 | 27.75 | 30.40 | 19.68 |
|          | 5-       | -1 | 0.00076   | 20     | 9  | 11.43 | 16.97 | 21.40 | 24.05 | 13.33 |
| OBSOLETE | 4-       | -2 |           | 130    | 64 | 81.28 | 86.82 | 91.25 | 93.90 | 83.18 |
|          | 4-       | -1 |           | 120    | 59 | 74.93 | 80.47 | 84.90 | 87.55 | 76.83 |
|          | 4-       | -0 |           | 100    | 49 | 62.23 | 67.77 | 72.20 | 74.85 | 64.13 |
|          | 3-       | -9 |           | 80     | 39 | 49.53 | 55.07 | 59.50 | 62.15 | 51.43 |
|          | 3-       | -8 |           | 68     | 33 | 41.91 | 47.45 | 51.88 | 54.53 | 43.81 |
|          | 3-       | -7 |           | 60     | 29 | 36.83 | 42.37 | 46.80 | 49.45 | 38.73 |
|          | 3-       | -6 |           | 50     | 24 | 30.48 | 36.02 | 40.45 | 43.10 | 32.38 |
|          | 3-       | -5 |           | 40     | 19 | 24.13 | 29.67 | 34.10 | 36.75 | 26.03 |
|          | 3-       | -3 |           | 30     | 14 | 17.78 | 23.32 | 27.75 | 30.40 | 19.68 |
|          | 3-       | -1 | 0.0005    | 20     | 9  | 11.43 | 16.97 | 21.40 | 24.05 | 13.33 |
| OBSOLETE | 1-       | -2 |           | 130    | 64 | 81.28 | 86.82 | 91.25 | 93.90 | 83.18 |
| OBSOLETE | 1-       | -1 |           | 120    | 59 | 74.93 | 80.47 | 84.90 | 87.55 | 76.83 |
|          | 1-       | -0 |           | 100    | 49 | 62.23 | 67.77 | 72.20 | 74.85 | 64.13 |
| OBSOLETE |          | -9 |           | 80     | 39 | 49.53 | 55.07 | 59.50 | 62.15 | 51.43 |
|          |          | -8 |           | 68     | 33 | 41.91 | 47.45 | 51.88 | 54.53 | 43.81 |
|          |          | -7 |           | 60     | 29 | 36.83 | 42.37 | 46.80 | 49.45 | 38.73 |
|          |          | -6 |           | 50     | 24 | 30.48 | 36.02 | 40.45 | 43.10 | 32.38 |
|          |          | -5 |           | 40     | 19 | 24.13 | 29.67 | 34.10 | 36.75 | 26.03 |
|          |          | -3 |           | 30     | 14 | 17.78 | 23.32 | 27.75 | 30.40 | 19.68 |
|          |          |    | 5175475-1 | 0.0002 | 20 | 9     | 11.43 | 16.97 | 21.40 | 13.33 |
|          | PART NO. |    | Au PLATE  | POS.   | n  | A     | B     | C     | D     | E     |

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:  
mm

0 PLC ±

1 PLC ±

2 PLC ±

3 PLC ±

4 PLC ±

ANGLES ±

FINISH

TOLERANCES UNLESS OTHERWISE SPECIFIED:

±

±

±

±

±

±

MATERIAL

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN  
Julyee Zhu  
CHK  
Steven Yao  
APVD  
Ikuo Enomoto  
PRODUCT SPEC  
108-60038  
APPLICATION SPEC  
WEIGHT  
0.000000  
CUSTOMER DRAWING

20AUG2004  
20AUG2004  
20AUG2004

NAME  
TE Connectivity Ltd.  
AMP CHAMP .050 CONNECTOR(B-T-B)  
RECEPTACLE CONNECTOR  
VERTICAL WITH RETENTION LEG

SIZE  
A2  
CAGE CODE  
00779  
DRAWING NO  
5175475  
SCALE  
NTS  
SHEET  
1 of 1  
REV  
C

1471-9 (1/15)