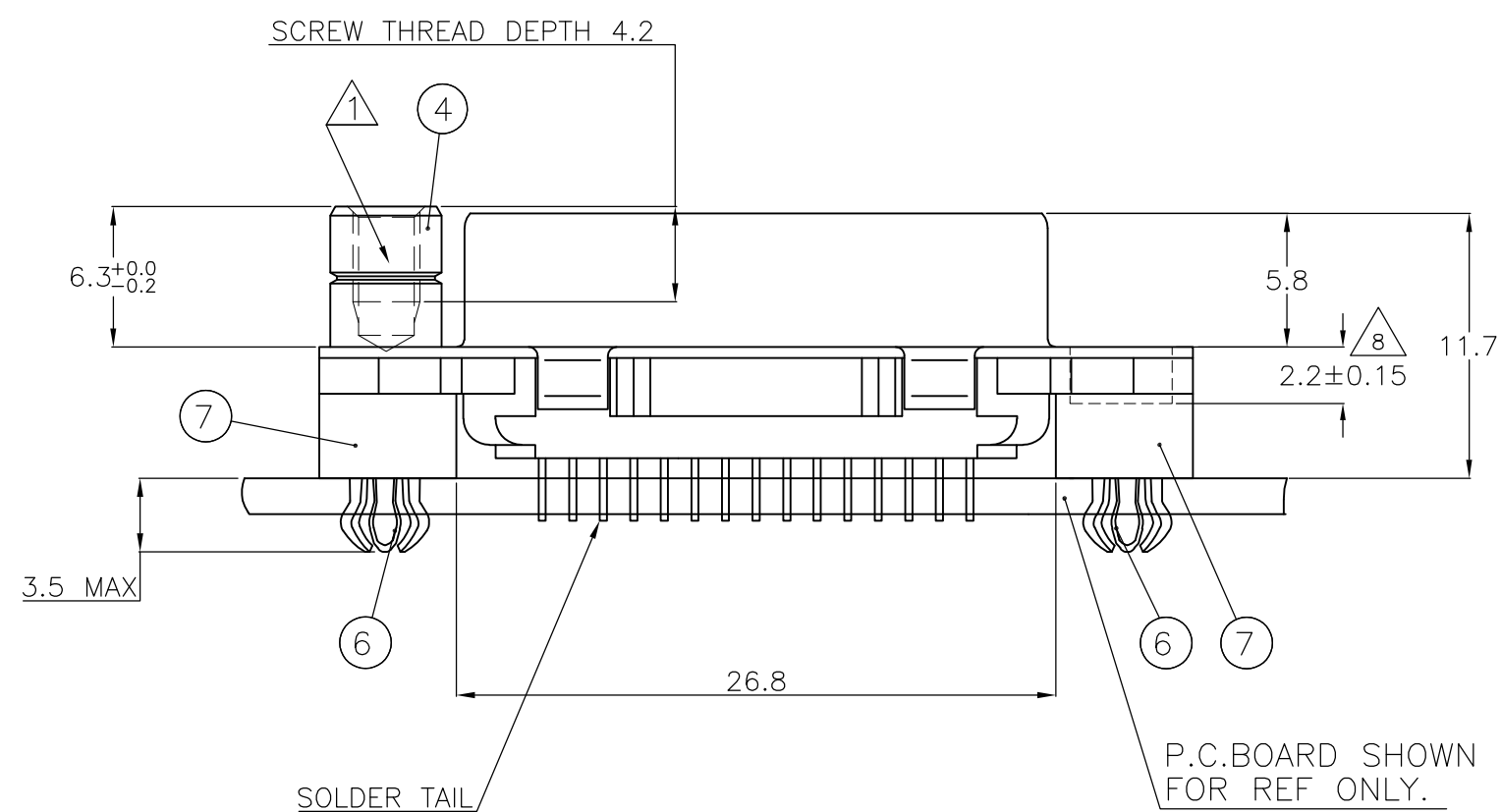
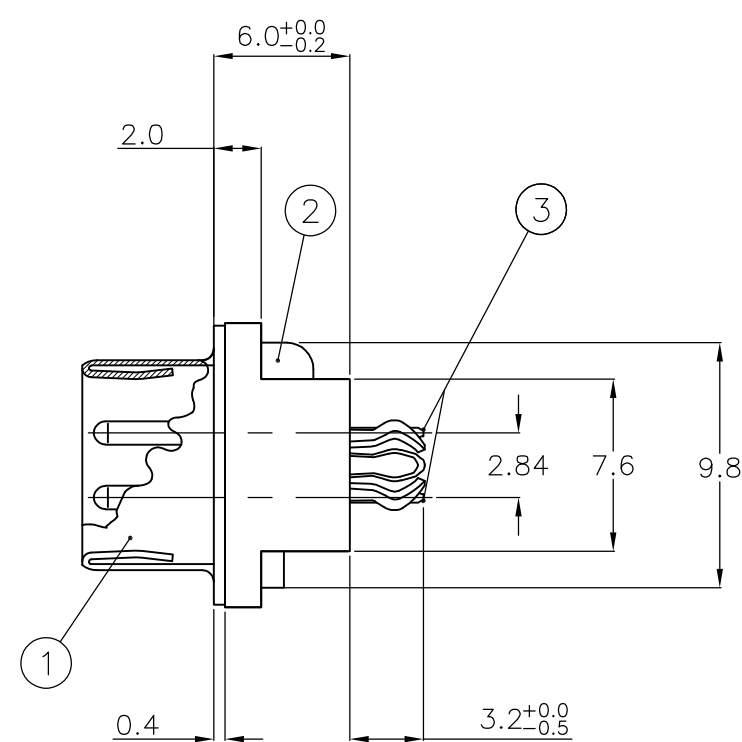
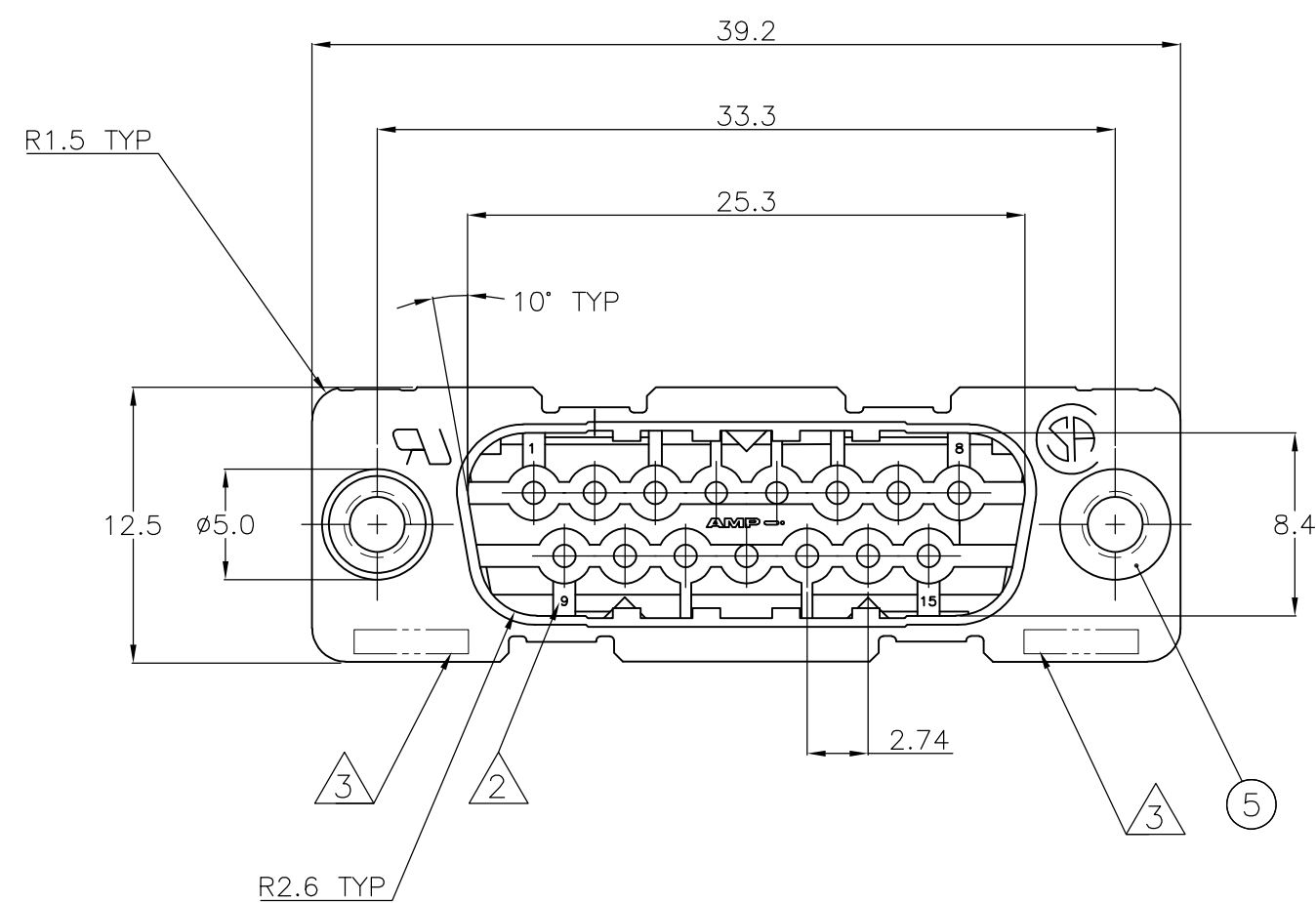
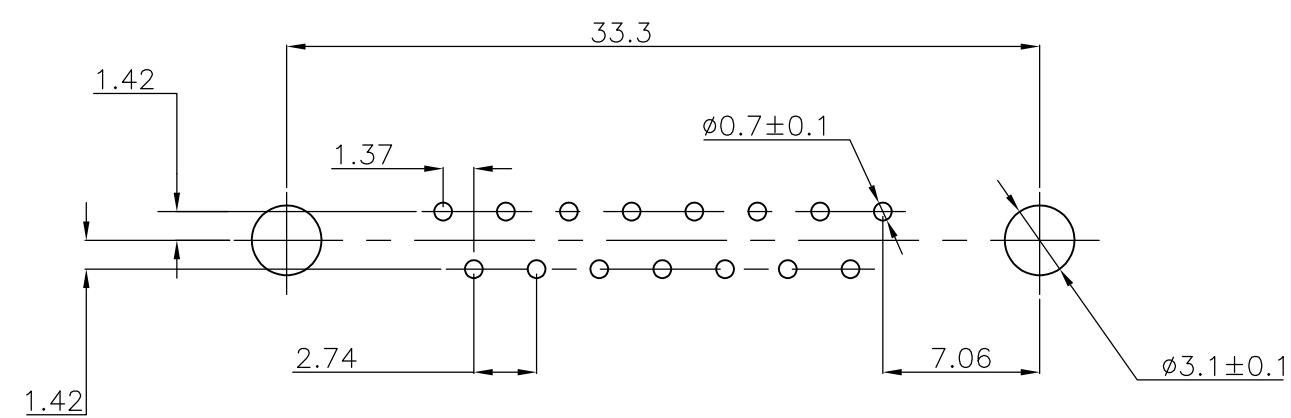




## RECOMMENDED P.C. BOARD HOLE-LAYOUT



|             |          |                                       |  |   |   |   |   |  |   |   |   |  |   |  |   |
|-------------|----------|---------------------------------------|--|---|---|---|---|--|---|---|---|--|---|--|---|
| ACCESSORIES | 5        | BUSHING WITH THROUGH HOLE ø3.1        |  |   |   |   |   |  | 2 |   |   |  |   |  |   |
|             | 5        | BUSHING WITH THREAD 4–40 UNC          |  | 2 |   |   |   |  |   | 2 |   |  |   |  |   |
|             | 5        | BUSHING WITH THREAD M3                |  |   | 2 |   |   |  |   |   | 2 |  |   |  |   |
|             | 4        | FEMALE SCREWLOCK WITH THREAD 4–40 UNC |  |   |   | 2 |   |  |   |   |   |  | 2 |  |   |
|             | 4        | FEMALE SCREWLOCK WITH THREAD M3       |  |   |   |   | 2 |  |   |   |   |  |   |  | 2 |
|             | 6        | BOARDLOCK                             |  | 2 | 2 | 2 | 2 |  |   |   |   |  |   |  |   |
|             | ITEM NO. | DESCRIPTION OF ACCESSORY              |  |   |   |   |   |  |   |   |   |  |   |  |   |

- 1 GROOVE INDICATES VERSION WITH 4-40 UNC INNER THREAD;  
WITHOUT GROOVE INDICATES VERSION WITH M3 INNER THREAD.
- 2 CAVITY IDENTIFICATION AT FRONT SIDE ONLY.
- 3 PART NUMBER AND DATE CODE.
4. WHEN BOARDLOCKS ARE USED, CONNECTOR CAN BE USED FOR PCB  
THICKNESS OF 1.6 ONLY.
5. SHELL HAS 2x4 GROUNDING SPRINGS; PITCH IS 3.6.
6. AIR AND CREEPAGE DISTANCES ACCORDING TO DIN 41652.
7. CONTACT FINISH: GOLD FLASH OVER PALLADIUM-NICKEL PLATE OR  
GOLD PLATE ON THE MATING SURFACES, TIN PLATE ON THE  
SOLDER-TAILS, NICKEL UNDERPLATE ON THE ENTIRE CONTACT.  
MATING SURFACE FINISH MEETS LEVEL 2 PER DIM 41652.
- 8 4-40/M3 THREAD DEPTH

ITEM NO/MATERIAL:

- |                    |                                                                          |
|--------------------|--------------------------------------------------------------------------|
| ① SHELL            | : BRIGHT TIN PLATED STEEL                                                |
| ② HOUSING          | : GLASS FILLED POLYESTER,<br>COLOR : BLACK                               |
| ③ CONTACTS         | : PHOSPHOR BRONZE<br>(PLATING : SEE NOTES)                               |
| ④ FEMALE SCREWLOCK | : TIN PLATED STEEL<br>(INNER THREAD 4-40 UNC OR M3)                      |
| ⑤ BUSHING          | : TIN PLATED STEEL (INNER THREAD 4-40<br>UNC OR M3 OR Ø3.1 THROUGH HOLE) |
| ⑥ BOARDLOCK        | : TIN PLATED PHOSPHOR BRONZE                                             |
| ⑦ STAND-OFF        | : GLASS FILLED NYLON<br>COLOR : BLACK                                    |

|                                                                                                            |  |                                                                                                                            |                                                                                              |                                                                        |                                                                                                       |                        |                    |
|------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|------------------------|--------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.<br>DIMENSIONING AND TOLERANCING PER ASME Y14.5M-2009                |  |                                                                                                                            | DWN<br>J.V. LIEMPT<br>03JUL97<br>CHK<br>C. SOUSA<br>09SEP97<br>APVD<br>W. SOOMERS<br>09SEP97 |                                                                        |  TE Connectivity |                        |                    |
| DIMENSIONS:<br>mm<br> |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0 PLC ± -<br>1 PLC ± 0.3<br>2 PLC ± 0.15<br>3 PLC ± -<br>4 PLC ± -<br>ANGLES ± - |                                                                                              | NAME<br>HDP-20 SIZE 2<br>VERTICAL+ PLUG HEADER<br>WITH SOLDER CONTACTS |                                                                                                       |                        |                    |
| MATERIAL<br>-                                                                                              |  | FINISH<br>-                                                                                                                |                                                                                              |                                                                        |                                                                                                       |                        |                    |
| CUSTOMER DRAWING                                                                                           |  |                                                                                                                            |                                                                                              | SIZE<br>A2                                                             | CAGE CODE<br>00779                                                                                    | DRAWING NO<br>C-338310 | RESTRICTED TO<br>- |
|                                                                                                            |  |                                                                                                                            |                                                                                              | SCALE<br>NTS                                                           | SHEET<br>1 of 1                                                                                       | REV<br>H               |                    |