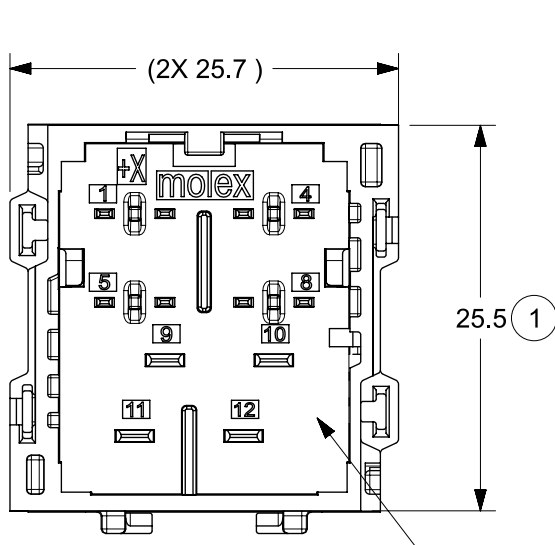
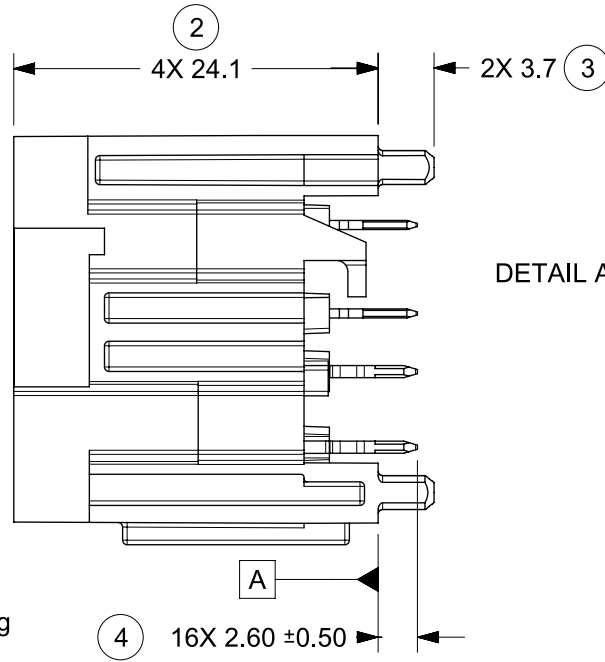


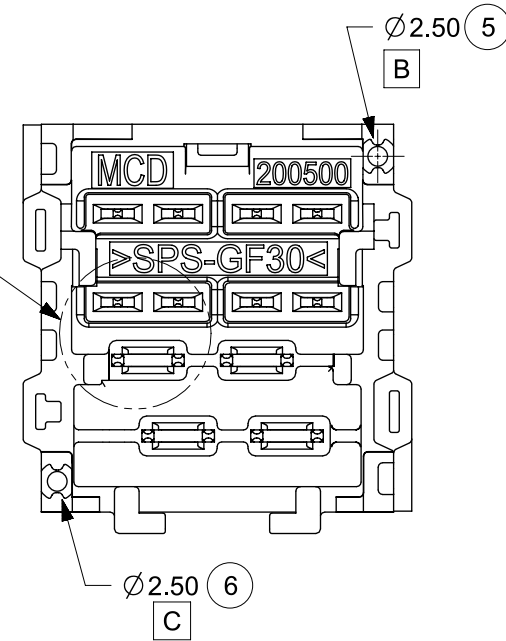


KEY 1  
PART NO. 2005010121

SEE NOTE 3g



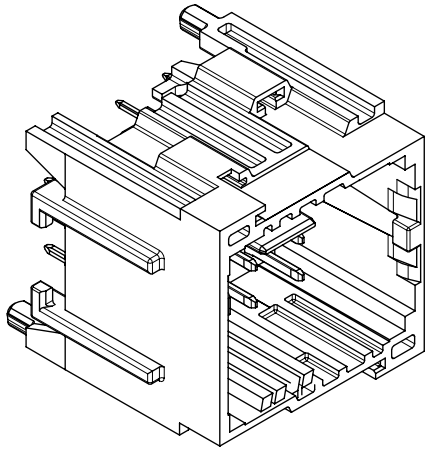
DETAIL A



- NOTES: VALID UNLESS OTHERWISE SPECIFIED
1. GENERAL:
- a. APPLICATION SPECIFICATION 2005060000-AS
  - b. PRODUCT SPECIFICATION 2005060001-PS CLASSIFICATIONS T2 V1S1 TO GMW 3191 2012 DEGREE OF PROTECTION IP20 TO ISO 20653 WITH MOLEX MATING CONNECTOR
  - c. PACKAGING SPECIFICATION PER MOLEX DRAWING
2. DESIGN - MATERIALS:
- a. HOUSING: SPS 30% GF
  - b. BLADE TERMINALS:
    - 1. 1.2MM BLADES  
BASE MATERIAL: COPPER ALLOY  
UNDERPLATE: OVERALL NICKEL  
OVERPLATE: OVERALL TIN
    - 2. 2.8MM BLADES  
BASE MATERIAL: COPPER ALLOY  
UNDERPLATE: OVERALL NICKEL  
OVERPLATE: OVERALL TIN
3. DESIGN - GEOMETRY:
- a. ALL GRAPHIC DATA IS BASIC (NO TOLERANCE) AND MUST BE TAKEN FROM THE DATA FILE AT ITS LATEST REVISION.
  - b. PRODUCT DESIGN MODEL NUMBER 2005010120
  - c. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5-2009
  - d. EDGES AND UNDIMENSIONED DETAILS PER ISO13715
  - e. CORNERS SHOWN AS SHARP TO BE R 0.4 MAX.
  - f. LETTERING SHALL BE MAX POSSIBLE FOR READABILITY. THIS INCLUDES RECYCLING CODE, CAVITY ID, VENDOR IDENTIFICATION, AND CUSTOMER MATERIAL NUMBER.
  - g. FOR BAY/POCKET DEFINITION SEE MOLEX INTERFACE DRAWING SD-160026-002
  - h. MATING HARNESS CONNECTORS MOLEX PN:  
1600260001 (KEY 1)  
1600260002 (KEY 2)  
1600260003 (KEY 3)  
1600260004 (KEY 4)
4. DESIGN - MANUFACTURING:
- a. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (CLASS B)
  - b. REFLOW SOLDERABILITY PER SMES-152

| PART NUMBER<br>TUBE PACKAGING<br>2005058100 | PART NUMBER<br>TRAY PACKAGING<br>2005053013-PK | KEY | COLOR  | TERMINAL<br>QUANTITIES |       |
|---------------------------------------------|------------------------------------------------|-----|--------|------------------------|-------|
|                                             |                                                |     |        | 1.2mm                  | 2.8mm |
| 2005010121                                  | 2005011121                                     | 1   | BLACK  | 8                      | 4     |
| 2005010122                                  | 2005011122                                     | 2   | GREEN  |                        |       |
| 2005010123                                  | 2005011123                                     | 3   | PURPLE |                        |       |
| 2005010124                                  | 2005011124                                     | 4   | GRAY   |                        |       |

FOUR (4) KEYS AVAILABLE  
SEE INTERFACE DRAWING  
SD-160026-002 FOR DEFINITION



|                               |
|-------------------------------|
| INSPECTION BALLOON NUMBER LOG |
| PER DRAWING REVISION: D1      |
| LAST BALLOON NUMBER: 11B      |
| ADDED BALLOON NUMBER: NONE    |
| DELETED BALLOON NUMBER: NONE  |

|                                                      |                                                                                                                                               |          |       |                        |                                      |                                                                             |  |                                                                                                |                                                                                         |          |  |                        |  |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|------------------------|--------------------------------------|-----------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------|--|------------------------|--|
| FUNCTIONAL SYMBOLS                                   | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |          |       |                        |                                      |                                                                             |  |                                                                                                |                                                                                         |          |  |                        |  |
|                                                      | DIMENSION UNITS                                                                                                                               |          | SCALE |                        | CURRENT REV DESC: SEE REVISION TABLE |                                                                             |  | <div>molex</div> <div>STAK50H MOD HDR 12 VERT SOLDER</div> <div>PRODUCT CUSTOMER DRAWING</div> |                                                                                         |          |  |                        |  |
|                                                      | MM                                                                                                                                            |          | 2:1   |                        |                                      |                                                                             |  |                                                                                                |                                                                                         |          |  |                        |  |
|                                                      | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |          |       |                        |                                      |                                                                             |  |                                                                                                |                                                                                         |          |  |                        |  |
|                                                      | ANGULAR TOL ± °                                                                                                                               |          |       |                        |                                      |                                                                             |  |                                                                                                |                                                                                         |          |  |                        |  |
|                                                      | 4 PLACES                                                                                                                                      |          | ±     |                        |                                      |                                                                             |  |                                                                                                |                                                                                         |          |  |                        |  |
|                                                      | DIVISIONAL SYMBOLS                                                                                                                            | 3 PLACES |       | ±                      |                                      | STATUS: Production<br>DRWN: Yann Chen<br>CHK'D: Nick Wang<br>APPR: Ringo Hu |  |                                                                                                | DOCUMENT NUMBER<br>2005011120SD<br>DOC TYPE<br>PSD<br>DOC PART<br>000<br>REVISION<br>D2 |          |  |                        |  |
|                                                      |                                                                                                                                               | 2 PLACES |       | ± 0.130                |                                      |                                                                             |  |                                                                                                |                                                                                         |          |  |                        |  |
|                                                      |                                                                                                                                               | 1 PLACE  |       | ± 0.25                 |                                      |                                                                             |  |                                                                                                |                                                                                         |          |  |                        |  |
|                                                      |                                                                                                                                               | 0 PLACES |       | ±                      |                                      |                                                                             |  |                                                                                                |                                                                                         |          |  |                        |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |                                                                                                                                               |          |       | THIRD ANGLE PROJECTION |                                      |                                                                             |  |                                                                                                |                                                                                         |          |  | DRAWING<br>B-SIZE      |  |
|                                                      |                                                                                                                                               |          |       |                        |                                      |                                                                             |  | MATERIAL NUMBER<br>SEE TABLE                                                                   |                                                                                         | CUSTOMER |  | SHEET NUMBER<br>1 OF 2 |  |

