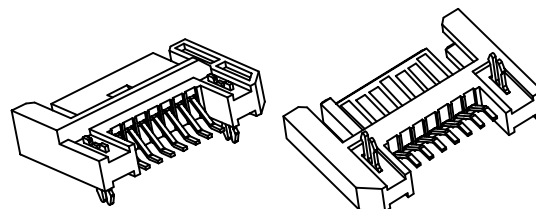


3M™ Serial Advanced Technology Attachment (SATA) Connector  
Signal Plug, Boardmount, Surface Mount Right Angle and PTH Vertical

| REVISION RECORD |                                    |          |
|-----------------|------------------------------------|----------|
| REV.            | ECR/ECN/ECO NUMBER                 | DATE     |
| A               | AT2059, NEW RELEASE                | 23/04/07 |
| B               | TECH SHEET, ECO-14693              | 12/07/07 |
| C               | EDIT TECH SHEET, ECO-17296         | 13/02/08 |
| D               | EDIT TECH SHEET, ECO-33864         | 01/08/11 |
| E               | SALES DRAWING, ECO-41953           | 01/02/13 |
| F               | EDIT PIN # ON PCB LAYOUT ECO-58311 | 18/11/14 |

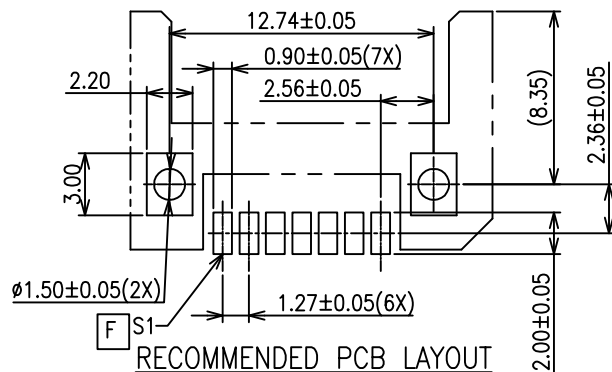
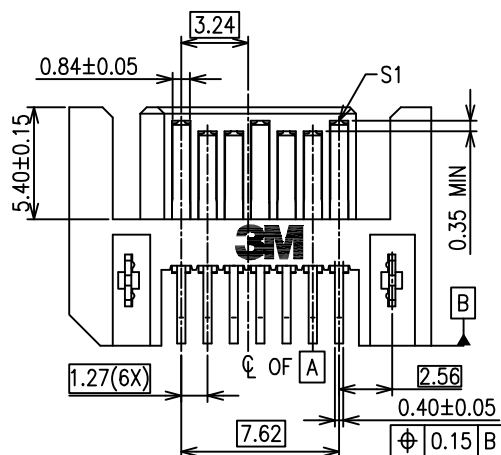
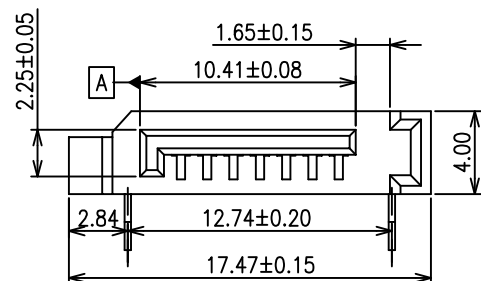


RIGHT ANGLE SURFACE MOUNT

NOTES:

1. RoHS COMPLIANT. SEE REGULATORY INFORMATION APPENDIX IN "RoHS COMPLIANCE" SECTION AT [WWW.3M.COM/INTERCONNECT](http://WWW.3M.COM/INTERCONNECT) (E1 & C1 APPLY)
2. MEETS SATA SPECIFICATION
3. PHYSICAL:  
HOUSING: HIGH TEMPERATURE THERMOPLASTIC, BLACK, UL94V-0  
CONTACT: COPPER ALLOY  
Plating: SH: GOLD FLASH AT MATING AREA  
50u" MIN. Ni UNDERPLATE  
100u" MIN. Sn AT TERMINATION AREA
4. ELECTRICAL:  
CURRENT RATING: POWER PIN: 1.5A  
INSULATION RESISTANCE:  $10^3$  MΩ min.  
WITHSTANDING VOLTAGE: 500V<sub>ac</sub> AT SEA LEVEL
5. ENVIRONMENTAL:  
OPERATING TEMPERATURE RANGE: -40°C TO +85°C
6. UL FILE NO. E68080
7. ORDERING INFORMATION:  
5607-4200-SH (RIGHT ANGLE SURFACE MOUNT)  
5607-5102-SH (VERTICAL THROUGH HOLE)

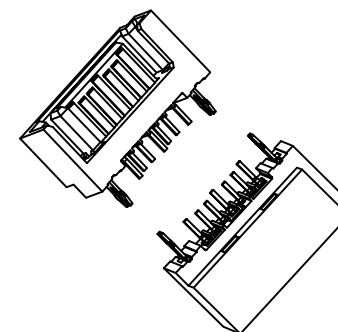
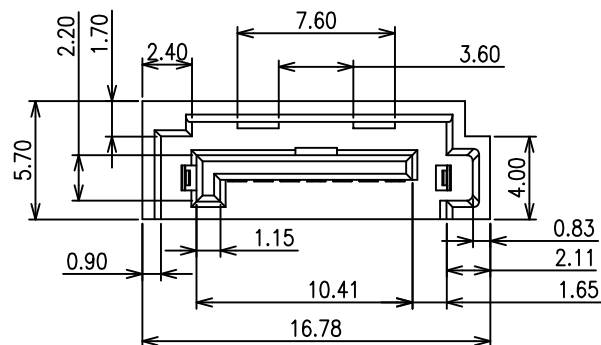
|                                                                                       |                                                                                                                                                                                                                          |                |                  |                                                                                                                                        |             |                |                                                          |            |
|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------|-------------|----------------|----------------------------------------------------------|------------|
| UNIT: MM                                                                              | DFTG                                                                                                                                                                                                                     | RAO VITTAPALLI | DATE<br>22/08/14 |                                                   | DIVISION    | ESD            | STATUS<br>RELEASED                                       |            |
| GEN. TOLERANCES                                                                       | CHKD                                                                                                                                                                                                                     | QIAO YUN LONG  | DATE<br>22/08/14 |                                                                                                                                        | MODEL       | _____          |                                                          |            |
| LINEAR<br>.0 ±0.38<br>.00 ±0.25<br>.000 ±0.05                                         | APPVL                                                                                                                                                                                                                    | SAUJIT BANDHU  | DATE<br>22/08/14 | TITLE<br>Serial Advanced Technology Attachment (SATA) Connector<br>Signal Plug, Boardmount, Surface Mount Right Angle and PTH Vertical |             |                |                                                          |            |
| ANGLE= ±3°                                                                            | THIS DOCUMENT CONTAINS INFORMATION WHICH IS PROPRIETARY TO 3M COMPANY. NO REPRODUCTION OR PUBLICATION OF THIS DOCUMENT, IN WHOLE OR IN PART, SHALL BE MADE WITHOUT AUTHORIZATION FROM 3M. ©3M 2014. ALL RIGHTS RESERVED. |                |                  | SIZE                                                                                                                                   | DRAWING NO. | 78-5100-2108-8 | REV<br>F                                                 |            |
| PROJECTION                                                                            |                                                                                                                                     |                |                  | INTERPRET PER ASME Y14.5M-1994                                                                                                         |             |                |                                                          |            |
|  | CRITICAL DIMENSION: ▲                                                                                                                                                                                                    |                |                  | SCALE : 4:1                                                                                                                            |             | DET LIST       | <input type="checkbox"/> YES <input type="checkbox"/> NO | SHT 1 of 2 |



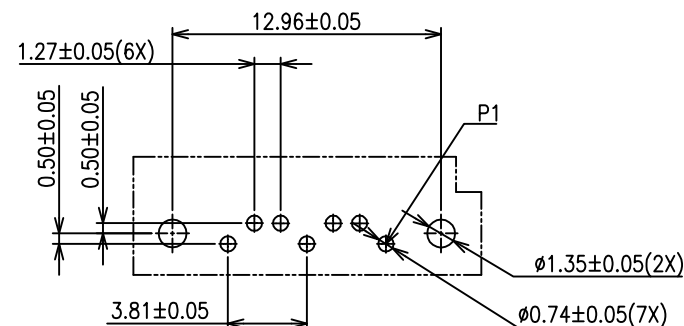
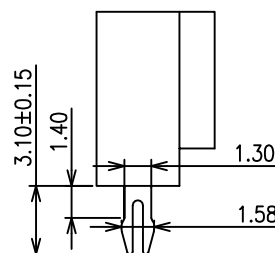
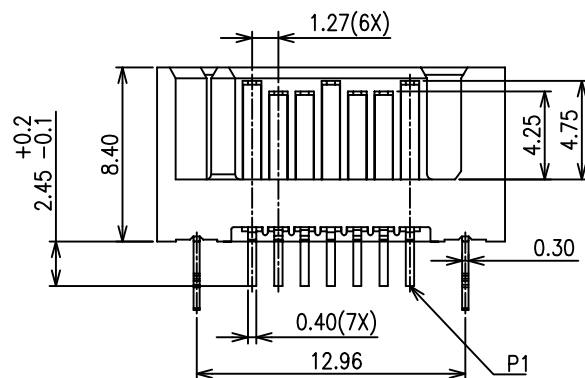
Visit <http://www.3Mconnectors.com>

3M™ Serial Advanced Technology Attachment (SATA) Connector  
Signal Plug, Boardmount, Surface Mount Right Angle and PTH Vertical

| REVISION RECORD     |                    |      |
|---------------------|--------------------|------|
| REV.                | ECR/ECN/ECO NUMBER | DATE |
| REFER TO SHT 1 of 2 |                    |      |



VERTICAL THROUGH-HOLE



RECOMMENDED PCB LAYOUT

Visit <http://www.3Mconnectors.com>

|                                                                                       |                                                                                                                                                                                                                          |                |                  |                                                                                                                                        |                            |                                                                   |                    |
|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------------------------------------------------------------|--------------------|
| UNIT: MM                                                                              | DFTG                                                                                                                                                                                                                     | RAO VITTAPALLI | DATE<br>22/08/14 |                                                   | DIVISION                   | ESD                                                               | STATUS<br>RELEASED |
| GEN. TOLERANCES                                                                       | CHKD                                                                                                                                                                                                                     | YUN LONG QIAO  | DATE<br>22/08/14 |                                                                                                                                        | MODEL                      | _____                                                             |                    |
| LINEAR<br>.0 =±0.38<br>.00 =±0.25<br>.000=±0.05                                       | APPVL                                                                                                                                                                                                                    | SAUJIT BANDHU  | DATE<br>22/08/14 | TITLE<br>Serial Advanced Technology Attachment (SATA) Connector<br>Signal Plug, Boardmount, Surface Mount Right Angle and PTH Vertical |                            |                                                                   |                    |
| ANGLE= ±3°                                                                            | THIS DOCUMENT CONTAINS INFORMATION WHICH IS PROPRIETARY TO 3M COMPANY. NO REPRODUCTION OR PUBLICATION OF THIS DOCUMENT, IN WHOLE OR IN PART, SHALL BE MADE WITHOUT AUTHORIZATION FROM 3M. ©3M 2014. ALL RIGHTS RESERVED. |                |                  |                                                                                                                                        |                            |                                                                   |                    |
| PROJECTION                                                                            |                                                                                                                                     |                |                  | SIZE<br>A3                                                                                                                             | DRAWING NO. 78-5100-2108-8 |                                                                   | REV<br>F           |
|  | CRITICAL DIMENSION: ▲                                                                                                                                                                                                    |                |                  | SCALE : NTS                                                                                                                            |                            | DET LIST <input type="checkbox"/> YES <input type="checkbox"/> NO | SHT 2 of 2         |