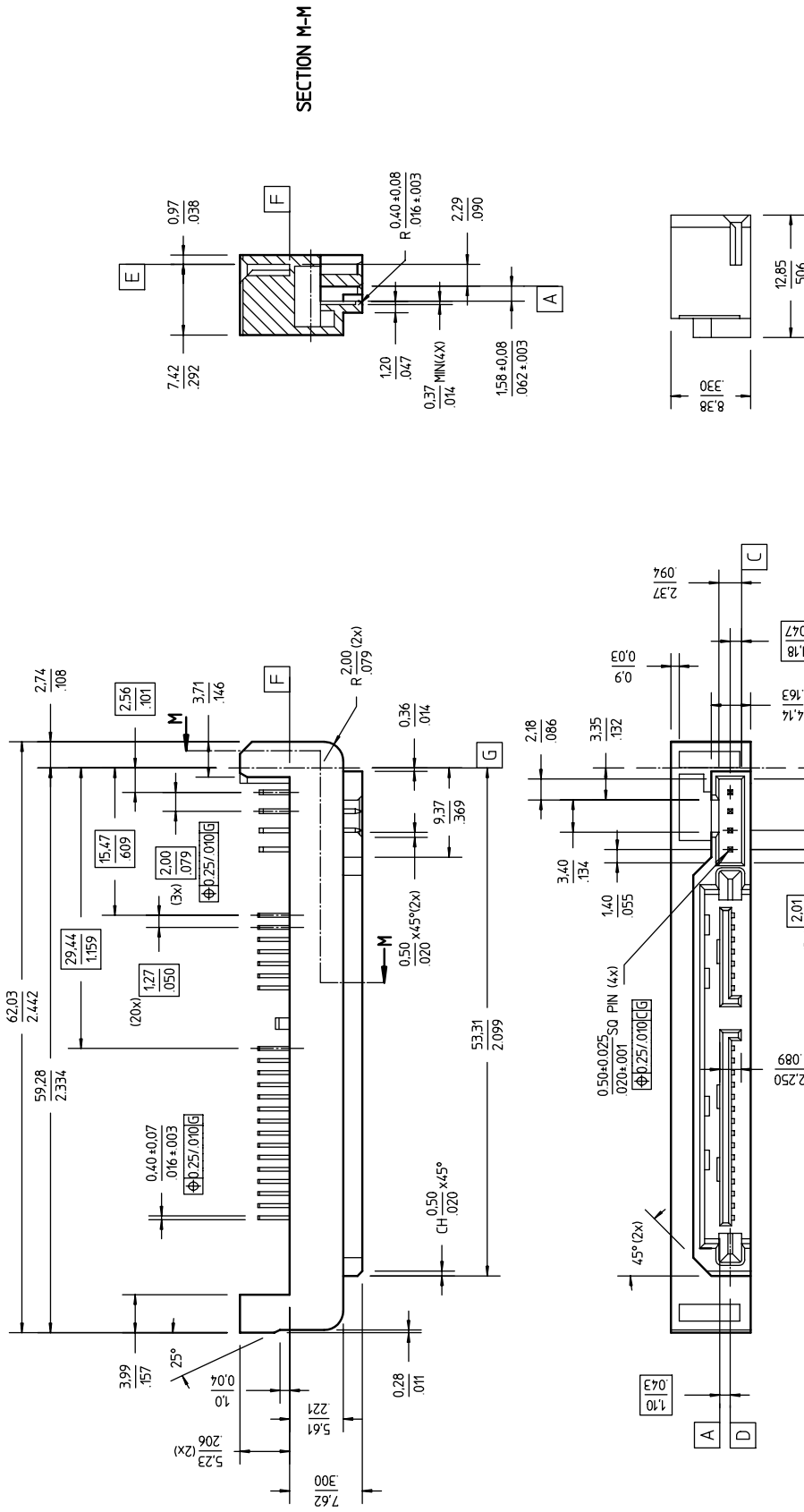


|                |                 |
|----------------|-----------------|
| PRODUCT NO     | SEAGATE PART NO |
| 10053668-001LF | 100361017       |
| 10053668-002LF | 100504880       |

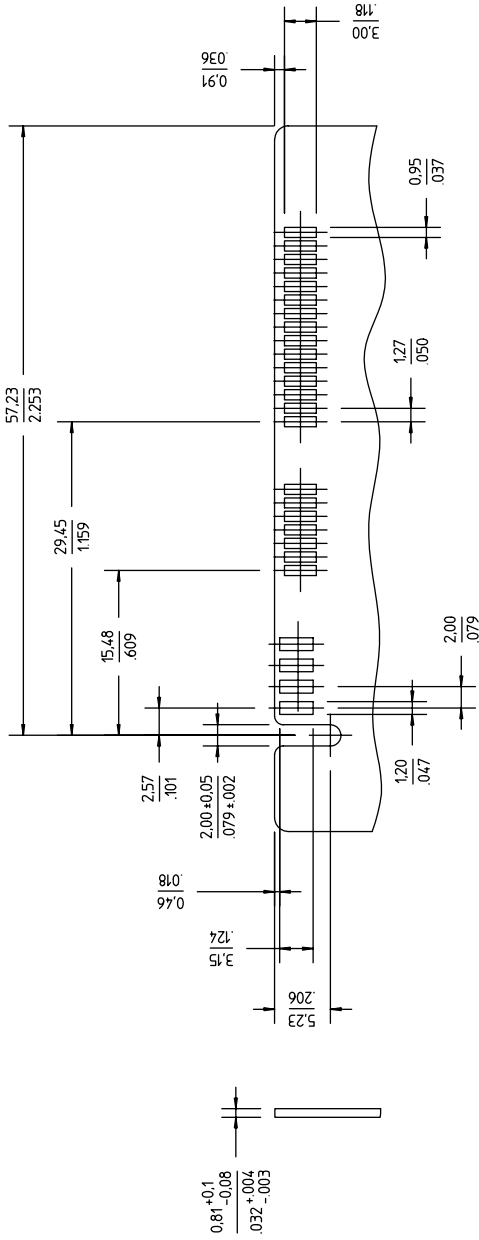


|                                       |                  |              |                  |            |                   |                 |
|---------------------------------------|------------------|--------------|------------------|------------|-------------------|-----------------|
| mat'l. code                           |                  | surface      | tolerance        | projection | product family    | SATA PLUG       |
| ISO 1302                              | ISO 406 ISO 1101 | ISO 1302     | ISO 406 ISO 1101 | 1st angle  | title             | SATA COMBO PLUG |
| tolerances unless otherwise specified | linear           | xx ± 0.25    | xx ± 0.13        | mm         | dwg no            | 10053668        |
| angles                                | 3°               | x.xxx ± 0.05 | x.xxx ± 0.05     | scale      | sheet 1 of 4 size | A4              |
| dr                                    | R. CRASTA        | 2005-09-22   | 2005-09-22       | 15:1       | CUSTOMER          | Drawing         |
| engr                                  | R. CRASTA        | 2008-04-22   | 2008-04-22       |            |                   |                 |
| chr                                   | R. CRASTA        | 2008-04-22   | 2008-04-22       |            |                   |                 |
| appd                                  | JOEY NG          | 2008-04-22   | 2008-04-22       |            |                   |                 |
| sheet index                           | revision         | sheet        | sheet            |            |                   |                 |





PRODUCT NO  
SEE TABLE



RECOMMENDED PCB LAYOUT

NOTES :

- 1 MATERIAL  
HOUSING : 30% GLASS FILLED LCP BLACK, UL 94V-0  
CONTACT PIN : BRASS C2680 R-H
- 2 FINISH :  
A: SATA SIGNAL & POWER PINS: 127UM/50u\* MIN NICKEL  
UNDERPLATING WITH 0.38UM/15u\* GOLD IN CONTACT AREA  
B: SQUARE PINS: 127UM/50u\* MIN NICKEL UNDERPLATE  
WITH 0.12UM/5u\* GOLD FLASH IN CONTACT AREA  
C: SOLDER TAIL: 19UM/75u\* MIN LEAD FREE (100%) MATTIE TIN  
PIN RETENTION FORCE: 1.2 LBS MIN PER PIN BEFORE AND AFTER  
EXPOSURE TO REFLOW (245°C) TEMPERATURE.
- 4 CRITICAL DIMENSIONS; SPC REQUIRED
- 5 PACKAGING: CLEAR ANTISTATIC CARTRIDGE TUBE
- 6 THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER  
COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008
- 7 THIS HOUSING WILL WITHSTAND EXPOSURE TO 260°C TEMPERATURE FOR  
10 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN

| mat'l. code |          | surface |      | tolerance                             |           | projection |            | product family    |                  |
|-------------|----------|---------|------|---------------------------------------|-----------|------------|------------|-------------------|------------------|
| itr         | ec'n no  | dr      | date | ISO 1302                              | ISO 406   | ISO 1101   | mm         | title             | SATA PLUG        |
| D           |          |         |      | tolerances unless otherwise specified |           |            | mm         | SATA COMBO PLUG   |                  |
|             |          |         |      | angles                                | linear    |            | scale 15:1 |                   |                  |
|             |          |         |      | dr                                    | R. CRASTA | 2005-09-22 |            |                   |                  |
|             |          |         |      | engr                                  | R. CRASTA | 2008-04-22 |            |                   |                  |
|             |          |         |      | chr                                   | R. CRASTA | 2008-04-22 |            |                   |                  |
|             |          |         |      | appd                                  | JOEY NG   | 2008-04-22 |            |                   |                  |
| sheet       | revision |         |      |                                       |           |            |            | dwg no            | 10053668         |
| index       | sheet    |         |      |                                       |           |            |            | type              | CUSTOMER Drawing |
|             |          |         |      |                                       |           |            |            | sheet 4 of 4 size | A4               |

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