



- NOTES:
- MATERIAL,
HOUSING: HIGH TEMPERATURE THERMAL PLASTIC ,
30% GLASS FILLED, BLACK, UL94V-0.
TERMINAL: COPPER ALLOY
SHELL: STAINLESS STEEL
INNER SHELL: STAINLESS STEEL
MIDDLE BLADE: STAINLESS STEEL
 - PLATING:
TERMINAL: CONTACT AREA: GOLD FLASH (0.05 MIN.)
OVER 0.75 MICROMETER MIN. PALLADIUM/NICKEL PLATING
SOLDER TAIL: 0.05 MICROMETER MIN. GOLD PLATING
UNDER PLATING: 1.5 MICROMETER MIN. NICKEL PLATING OVERALL
SHELL: 1.5 MICRON MIN. SOLDERABLE NICKEL PLATING OVERALL
INNER SHELL: CLEANING
MIDDLE BLADE: GOLD FLASH PLATING ON THE SOLDER TAIL
AND 1 MICROMETER NICKEL PLATING OVERALL
 - PRODUCT SPEC REFER TO PS-105448-001
 - PACKAGE SPEC REFER TO PK-105455-001
 - COPLANARITY OF SMT PINS SOLDER TAIL IS 0.10 MAX.
BEFORE AND AFTER REFLOW
 - T/H SOLDER TAIL POSITION BE CONTROLLED BY GAUGE
 - PRODUCT COMPLANT TO ROHS DIERTIVE 2011/65/EU
AND ELV DIRECTIVE 2000/53/EC

RECOMMENDED PWB LAYOUT

| PIN ASSIGNMENT | | | | | | | | | | | | BLADE | SHELL |
|----------------|------|------|------|------|----|----|------|------|------|------|-----|-------|-------|
| A1 | A2 | A3 | A4 | A5 | A6 | A7 | A8 | A9 | A10 | A11 | A12 | GND | GND |
| GND | TX1+ | TX1- | VBUS | CC1 | D+ | D- | SBU1 | VBUS | RX2- | RX2+ | GND | | |
| GND | RX1+ | RX1- | VBUS | SBU2 | D- | D+ | CC2 | VBUS | TX2- | TX2+ | GND | GND | GND |
| B12 | B11 | B10 | B9 | B8 | B7 | B6 | B5 | B4 | B3 | B2 | B1 | | |

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

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|---|------------------------|-------------------|------------|--------------------------|----------------|
| DIMENSION UNITS mm | SCALE 12:1 | CURRENT REV DESC: | | molex | |
| GENERAL TOLERANCES (UNLESS SPECIFIED) | | EC NO: 600596 | | | |
| ANGULAR TOL ± 3.0° | 4 PLACES ± | DRWN: RZHANG | 2018/03/30 | PRODUCT CUSTOMER DRAWING | |
| 3 PLACES ± | 2 PLACES ± 0.2 | CHK'D: AYIN | 2018/07/25 | DOCUMENT NUMBER | |
| 1 PLACE ± 0.2 | 0 PLACES ± | APPR: AYIN | 2018/07/25 | SD-105455-001 | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | THIRD ANGLE PROJECTION | INITIAL REVISION: | 2015/11/05 | DOC TYPE | DOC PART |
| | | DRWN: RZHANG | 2017/04/11 | PSD | 001 |
| | | APPR: RZHANG | | REVISION | A2 |
| | | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER |
| | | A3-SIZE | 105455 | | GENERAL MARKET |
| | | | | | SHEET NUMBER |
| | | | | | 2 OF 2 |