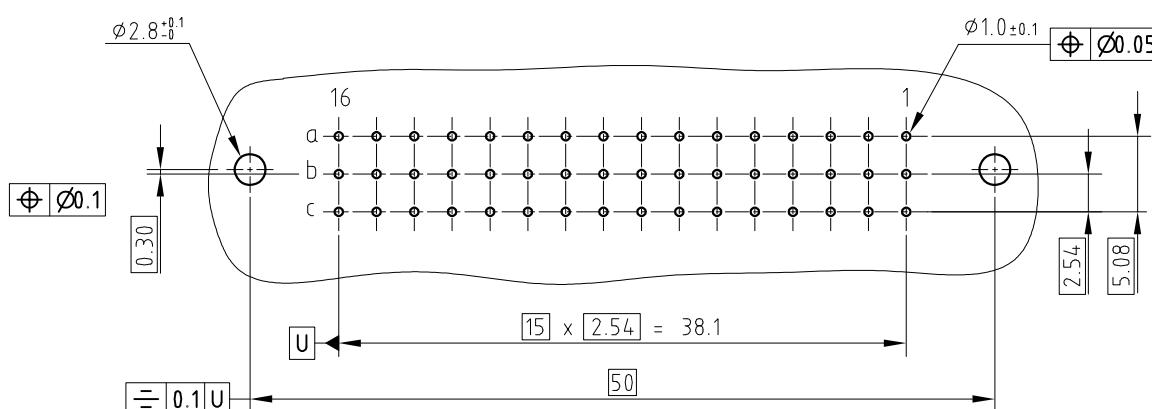
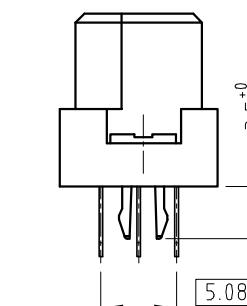
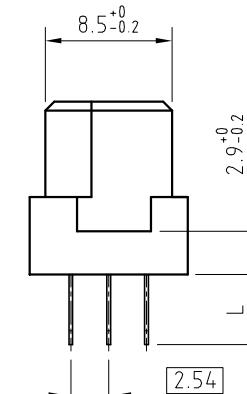
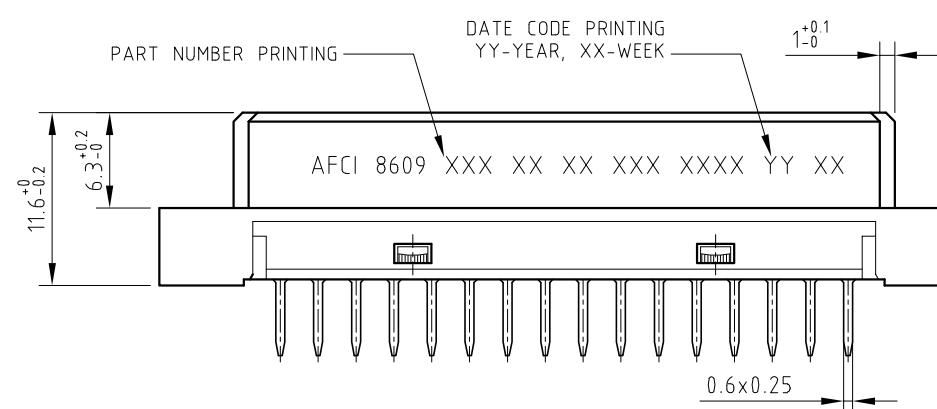
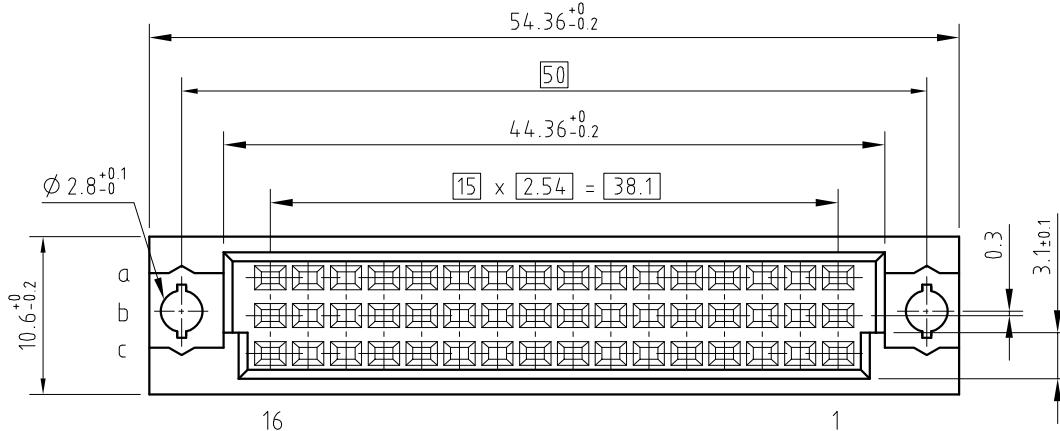




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EN: This Datasheet is presented by the manufacturer.

Please visit our website for pricing and availability at www.hestore.hu.



PCB DRILLING DETAILS

| NOTES: | | |
|--------|--|--|
| 1. | THE "LF" PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004. | |
| 2. | LEAD FREE OR RoHS DIRECTIVE LABELING TO BE PROVIDED AS PER GS-14-920 FOR LEAD FREE VERSION. | |
| 3. | FOR GENERAL CHARACTERISTICS AND RoHS INFORMATION, REFER DRAWING C-8609-0000A. | |

TECHNICAL SPECIFICATION

| | |
|---|--|
| HOUSING MATERIAL | : THERMOPLASTIC POLYESTER UL94V0; GREY |
| HOUSING CAN WITHSTAND EXPOSURE TO LEAD FREE WAVE SOLDERING TEMPERATURE OF 260-265°C | |
| FOR STRAIGHT CONNECTORS AS IT IS IN CLASSICAL LEAD WAVE SOLDERING AT 235-250°C | |
| CONTACT & HARPOON MATERIAL | : COPPER ALLOY |
| CONTACT PLATING | |
| ACTIVE ZONE | : Au / GXT™ OVER Ni |
| TERMINATION ZONE | : Sn (PURE MATT) OVER Ni |
| HARPOON PLATING | : Sn (PURE MATT) OVER Ni |
| ELECTRICAL DATA | |
| CURRENT RATING AT 20°C | : 1.5 A |
| CURRENT (I MAX) | : 2 A |
| TEMPERATURE RANGE | : -55°C TO +125°C |
| CONTACT RESISTANCE | : ≤ 20 mΩ |
| INSULATION RESISTANCE | : ≥ 10 ⁶ MΩ |
| TEST VOLTAGE (rms) | : 1000 V |
| MECHANICAL DATA | |
| INSERTION FORCE PER CONTACT | : ≤ 0.94 N |
| EXTRACTION FORCE PER CONTACT | : ≥ 0.15 N |
| REFERENCE SPECIFICATION | : DIN 41612 / IEC 603-2 |
| SERIES | 8609 3 48 8 3 14 7 5 5 V1LF |
| ROWS FITTED WITH CONTACTS | |
| ROW a b c | 3 48 |
| ROW a - c | 4 32 |
| NO. OF CONTACTS | |
| TYPE OF INSULATOR | |
| 3 ROW FEMALE INSULATOR | 8 |
| METHOD OF MOUNTING | |
| STANDARD MOUNTING - STYLE C/2 | 3 |
| TERMINATION | |
| STRAIGHT SPILL LONG, L = 4.0 ^{+0.7} | 14 |
| STRAIGHT SPILL SHORT, L = 2.5 ^{+0.7} | 24 |
| OPTIONS | |
| NO OPTION | 7 |
| WITH HARPOONS | H |
| PERFORMANCE CLASS | |
| DIN 41612 CLASS 3 | 4 |
| DIN 41612 CLASS 2 | 5 |
| DIN 41612 CLASS 1 | 6 |
| AS PER MIL C 55302 / JSS 50808 | 8 |
| PITCH PER ROW | |
| 2.54 mm | 5 |
| LEAD FREE VERSION | V1LF |

| mat'l. code SEE TECH. SPEC. | | | | surface ISO 1302 | tolerance ISO 406 ISO 1101 | projection | product family | |
|--------------------------------|--------------|----------------|------------|---------------------------------------|-------------------------------|------------|----------------|--|
| ltr | ecn no | dr | date | tolerances unless otherwise specified | | | | |
| A | I08-0171 | KR | 2008-12-19 | angles | .0±.1 | | | |
| B | ELX-I-010167 | MJA | 2012-02-02 | linear | | | | |
| C | ELX-I-30157 | MJA | 2018-05-11 | 0°±1° | | | | |
| | | | | dr | KESAVAN R | 2008-04-15 | | |
| | | | | engr | KESAVAN R | 2008-04-15 | | |
| | | | | chr | M JACOB | 2018-05-11 | | |
| | | | | appd | BIJU K PAUL | 2018-05-11 | | |
| sheet index | | revision sheet | C 1 | | | | | |
| Amphenol FCI | | | | | | | | |
| dwg no | | sheet 1 of 1 | | | | | | |
| C-8609-2140 | | | | | | | | |
| A3 | | | | | | | | |
| type | | Product | Customer | | | | | |
| Drawing | | | | | | | | |