

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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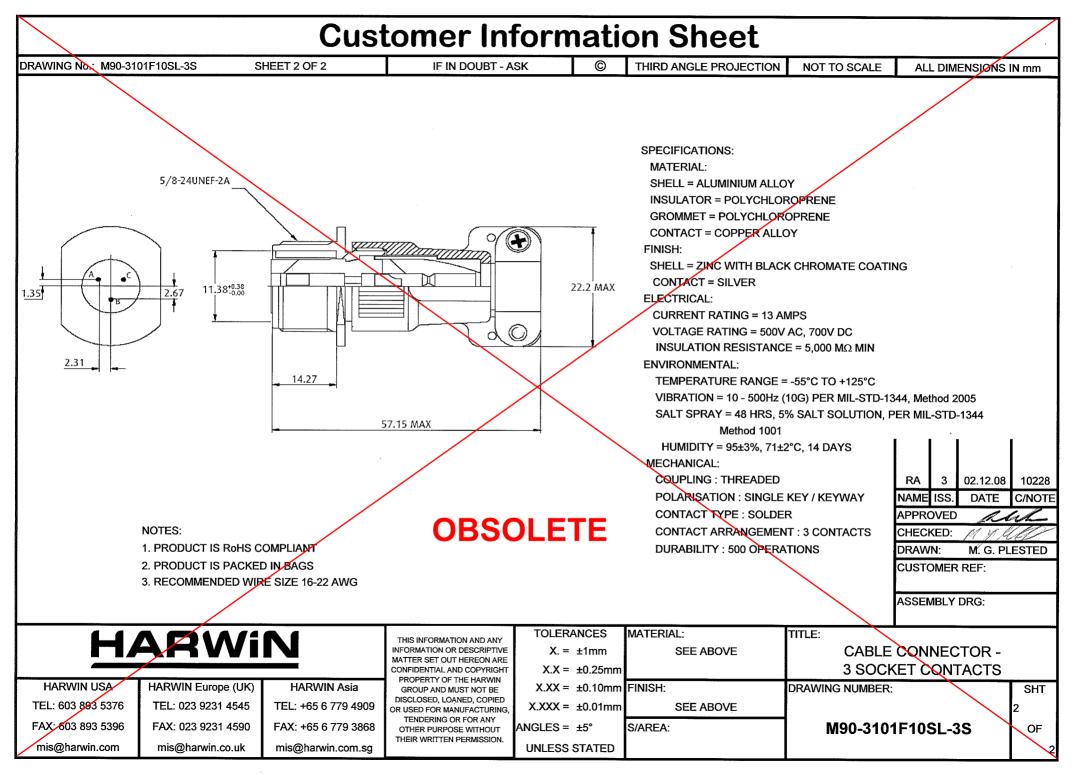
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# **Customer Information Sheet**

DRAWING No.: M90-3101F10SL-4S

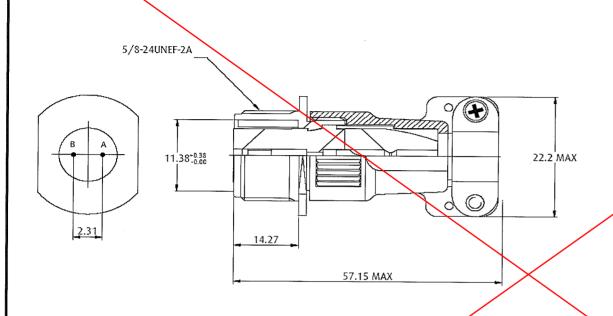
SHEET 2 OF 2

IF IN DOUBT - ASK

THIRD ANGLE PROJECTION

NOT TO SCALE

ALL DIMENSIONS IN mm



SPECIFICATIONS:

MATERIAL:

SHELL = ALUMINIUM ALLOY

INSULATOR = POLYCHLOROPRENE

GROMMET = POLYCHLOROPRENE

CONTACT = COPPER ALLOY

FINISH:

SHELL = ZINC WITH BLACK CHROMATE COATING

CONTACT = SILVER

ELECTRICAL:

CURRENT RATING = 13 AMPS

VOLTAGE RATING = 500V AC, 700V DC

4NSULATION RESISTANCE = 5,000 M $\Omega$  MIN

ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

VIBRATION = 10 - 500Hz (10G) PER MIL-STD-1344, Method 2005

SALT SPRAY = 48 HRS, 5% SALT SOLUTION, PER MIL-STD-1344

Method 1001

HUMIDITY = 95±3%, 71±2°C, 14 DAYS

MECHANICAL:

**COUPLING: THREADED** 

POLARISATION : SINGLE KEY / KEYWAY

CONTACT TYPE : SOLDER

CONTACT ARRANGEMENT: 2 CONTACTS

**DURABILITY: 500 OPERATIONS** 

## RA 02.12.08 10228 NAME ISS DATE C/NOTE

APPROVED

CHECKED:

DRAWN:

CABLE CONNECTOR -

2 SOCKET CONTACTS

M.G.PLESTED

CUSTOMER REF:

ASSEMBLY DRG:

### NOTES:

- 1. PRODUCT IS ROHS COMPLIANT.
- 2. PRODUCT IS PACKED IN BAGS.
- 3. RECOMMENDED WIRE SIZE 16-22 AWG

# HARWIN

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**TOLERANCES**  $X. = \pm 1$ mm  $X.X = \pm 0.25 mm$  $X.XX = \pm 0.10$ mm FINISH:  $X.XXX = \pm 0.01$ mm

**UNLESS STATED** 

**OBSOLETE** 

 $ANGLES = \pm 5^{\circ}$ S/AREA:

MATERIAL: SEE ABOVE

SEE ABOVE

DRAWING NUMBER:

TITLE:

M90-3101F10SL-4S

OF

SHT

#### Customer Information Sheet DRAWING No.: M90-3101F12S-3S IF IN DOUBT - ASK SHEET 2 OF 2 NOT TO SCALE THIRD ANGLE PROJECTION ALL DIMENSIONS IN mm SPECIFICATIONS: MATERIAL: SHELL: ALUMINIUM ALLOY INSULATOR: NITRILE BUTADIENE RUBBER GROMMET: NITRILE BUTADIENE RUBBER 3/4-20UNEF-2A-CONTACT COPPER ALLOY 5.28 -FINISH: SHELL: ZINC PLATED WITH BLACK CHROMATE COATING CONTACT: SILVER ELECTRICAL: CURRENT RATING: 13 AMPS VOLTAGE RATING: 500V AC, 700V DC +0.38 INSULATION RESISTANCE: 5.000 MO MIN 22.70 Ø14.15 0 MECHANICAL: MAX COUPLING: THREADED POLARISATION: SINGLE KEY/KEYWAY CONTACT TYPE: SOLDER CONTACT ARRANGEMENT: 2 CONTACTS DURABILITY: 500 CYCLES +0.79 **ENVIRONMENTAL:** 14.27 0 TEMPERATURE RANGE: -55°C TO -125°C VIBRATION: 10-500Hz(IOG), PER MIL-STD-1344, METHOD 2005 SALT SPRAY: 48HRS. SALT SOLUTION 5%. PER MII-1344. -57.15 MAX METHOD 1001 HUMIDITY: RELATIVE HUMIDITY 95±3%, 71°C+2°C, 14 DAYS 10228 **OBSOLETE** APPROVED: CHECKED: DRAWN: R. ADDE CUSTOMER REF.: NOTES: I. PRODUCT IS ROHS COMPLIANT 2. PRODUCT IS PACKED IN BAGS. ASSEMBLY DRG: 3 RECOMMENDED WIRE SIZE 16-22 AWG. THIS DRAWING AND ANY **TOLERANCES** MATERIAL: TITLE: INFORMATION OR DESCRIPTIVE CABLE CONNECTOR-MATTER SET OUT HEREON ARE X. = ±1mm CONFIDENTIAL AND COPYRIGHT $X.X = \pm 0.25$ mm 2 PIN CONTACTS PROPERTY OF THE HARWIN $X, XX = \pm 0.10$ mm GROUP AND MUST NOT BE HARWIN USA HARWIN Europe (UK) HARWIN Asia TEL: 603 893 5376 TEL: 023 9231 4545 TEL: +65 6 779 4909 $X.XXX = \pm 0.01$ mm DISCLOSED, LOANED, COPIED DRAWING NUMBER: OR USED FOR MANUFACTURING, FINISH: SHT TENDERING OR FOR ANY ANGLES = ±5° FAX: 803 893 5396 FAX: 023 9231 4590 FAX: +65 6 779 3868 M90-3101F12S-3S OTHER PURPOSE WITHOUT pais@harwin.com mis@harwin.co.uk mis@harwin com sa S/AREA: mm 2 THEIR WRITTEN PERMISSION UNLESS STATED

#### **Customer Information Sheet** DRAWING No.: M90-3101F14S-2S SHEET 2 OF 2 IF IN DOUBT - ASK THIRD ANGLE PROJECTION NOT TO SCALE ALL DIMENSIONS IN mm SPECIFICATIONS: MATERIAL: SHELL = ALUMINIUM ALLOY INSULATOR = POLYCHLOROPRENE 7/8-20UNEF-2A GROMMET = POLYCHLOROPRENE CONTACT = COPPER ALLOY FINISH: SHELL = ZINC WITH BLACK CHROMATE COATING CONTACT = SILVER 2.29 ELECTRICAL: **EURRENT RATING = 13 AMPS** 17.32+0.38 27.0 MAX VOLTAGE RATING = 500V AC, 700V DC INSULATION RESISTANCE = 5,000 MΩ MIN **ENVIRONMENTAL:** TEMPERATURE RANGE = -55°C TO +125°C VIBRATION = 10 - 500Hz (10G) PER MIL-STD-1344, Method 2005 14.27 SALT SPRAY = 48 HRS, 5% SALT SOLUTION, PER MIL-STD-1344 Method 1001 57.15 MAX HUMIDITY = 95±3%, 71±2°C, 14 DAYS MECHANICAL: **COUPLING: THREADED** POLARISATION: SINGLE KEY/ KEYWAY CONTACT TYPE: SOLDER RA 02.12.08 10228 **CONTACT ARRANGEMENT: 4 CONTACTS** NAME ISS. DATE C/NOTE **DURABILITY: 500 OPERATIONS OBSOLETE APPROVED** NOTES: CHECKED: 1. PRODUCT IS ROHS COMPLIANT. DRAWN: M.G.PLESTED 2. PRODUCT IS PACKED IN BAGS. CUSTOMER REF: 3. RECOMMENDED WIRE SIZE 16-22 AWG ASSEMBLY DRG: **TOLERANCES** HARWIN THIS INFORMATION AND ANY MATERIAL: TITLE: INFORMATION OR DESCRIPTIVE **CABLE CONNECTOR -** $X. = \pm 1$ mm SEE ABOVE MATTER SET OUT HEREON ARE CONFIDENTIAL AND COPYRIGHT 4 SOCKET CONTACTS $X.X = \pm 0.25 mm$ PROPERTY OF THE HARWIN HARWIN USA HARWIN Europe (UK) HARWIN Asia $X.XX = \pm 0.10$ mm FINISH: DRAWING NUMBER: GROUP AND MUST NOT BE SHT

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 $X.XXX = \pm 0.01$ mm ANGLES = ±5°

**UNLESS STATED** 

S/AREA:

SEE ABOVE

M90-3101F14S-2S

OF

