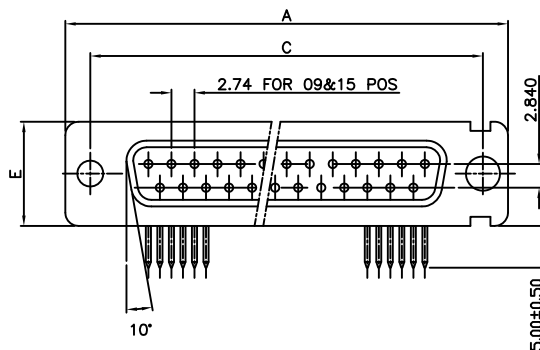
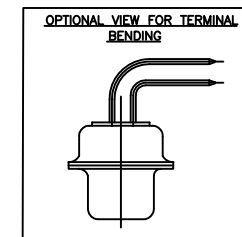
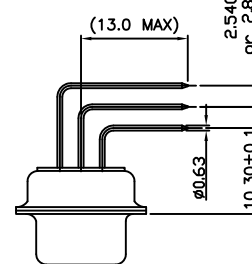
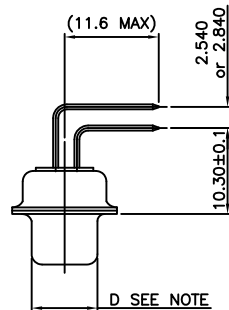
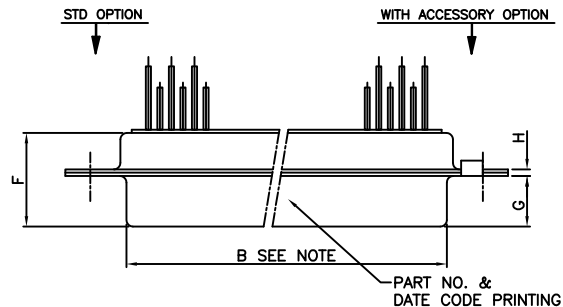
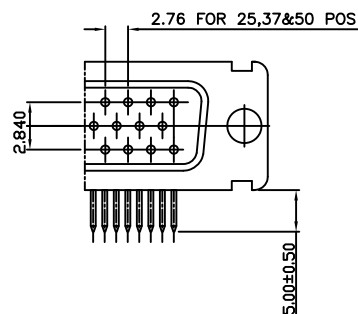




LAYOUT OF 50 POS. CONNECTOR



## TECHNICAL SPECIFICATIONS

|                             |                                                                                                                                                                                        |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SHELLS                      | : TIN PLATED STEEL                                                                                                                                                                     |
| INSULATOR MATERIAL          | : SELF EXTINGUISHING THERMOPLASTIC- TO UL CLASS 94 V0. THE HOUSING WILL WITHSTAND EXPOSURE TO 260-265°C IF WE USE PROTECTIVE ADHESIVE (Kapton or Teflon) OR PROTECTIVE METALLIC DEVICE |
| CONTACTS DIA ON ACTIVE AREA | : Ø1 MM.                                                                                                                                                                               |
| CONTACTS MATERIAL           | : COPPER ALLOY                                                                                                                                                                         |
| CONTACT PLATING             | : GXT / GOLD OVER NICKEL                                                                                                                                                               |
| OPERATING TEMPERATURE       | : -55°C +125°C                                                                                                                                                                         |
| OPERATING CURRENT           | : 7.5 A PER CONTACT                                                                                                                                                                    |
| CONTACT RESISTANCE          | : < 7.3 m Ω                                                                                                                                                                            |
| INSULATION RESISTANCE       | : > 5000 M Ω                                                                                                                                                                           |
| MAXIMUM VOLTAGE             | : 1000 V r.m.s                                                                                                                                                                         |
| MECHANICAL ENDURANCE        | : 500 MATINGS MIN. FOR CODE 65<br>200 MATINGS MIN. FOR CODE 64                                                                                                                         |
| DAMP HEAT                   | : 56 DAYS FOR CODE 65<br>21 DAYS FOR CODE 64                                                                                                                                           |

|                  |                                                                                           |                                                                                                    |
|------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| SERIES           | D B P V 25 P 5 64 C T X XXX LF                                                            | LEAD FREE                                                                                          |
| SHELL SIZE       | E A B C D                                                                                 | SPECIAL CODES                                                                                      |
| CHARACTERISATION | F-D SERIES                                                                                | DIMPLES                                                                                            |
| OPTIONS-1        | BLANK-STANDARD<br>L-CLINCH NUT (M3)<br>O-CLINCH NUT (UNC)<br>V-FEM. SCREW LOCK HEX. (UNC) | X-ON MALE CONNECTORS ONLY                                                                          |
| OPTIONS-2        | NO. OF CONTACTS<br>09,15,25,37,50                                                         | SHELL PLATING<br>T-STD TIN over Cu                                                                 |
| CONTACTS         | P - PIN<br>S - SOCKET                                                                     | TERMINATION TYPE<br>5-ANGLED SPILL 2.54mm BETWEEN ROWS<br>8-ANGLED SPILL 2.84mm BETWEEN ROWS       |
| TERMINATION TYPE |                                                                                           | CONTACT PLATING<br>BLANK-WITH PLASTIC BRACKET<br>G-HARPOON<br>M-METAL BRACKET<br>C-WITHOUT BRACKET |

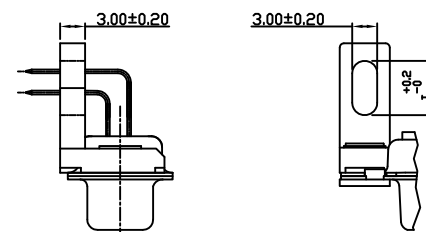
- NOTES:  
1) GENERAL VIEW SHOWN IS OPTION C  
2) INSIDE DIMENSION OF MALE AND OUTSIDE DIMENSION OF THE FEMALE CONNECTOR  
3) REFER DRG: C-DSUB-0186 FOR PCB LAYOUT

"This LF product meets European Union Directives and other country regulations as described in GS-47-0004."

The housing will withstand exposure to 260°C peak temperature for 3.5 seconds in a wave solder application with a 1.6mm minimum thick circuit board.

Packaging as per GS-14-920

## WITH PLASTIC BRACKET

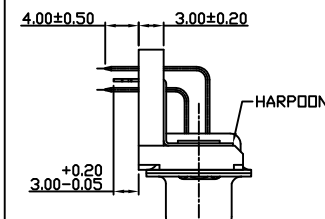


I = 6.5 (9-37 POS)  
I = 7.4 (50 POS)

## BRACKET DETAILS

## HARPOON WITH PLASTIC BRACKET

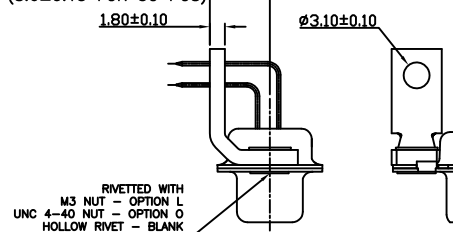
OPTION: - G



## VIEW WITH RIVET &amp; METAL BRACKET

OPTION: - L/O WITH M (METAL BRACKET)

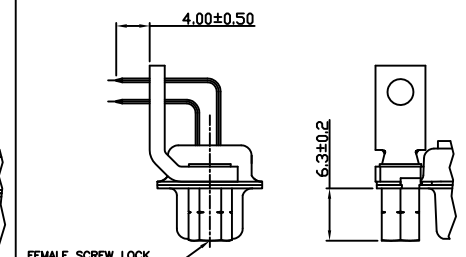
7.20±0.15  
(8.6±0.15 FOR 50 POS)



RIVETTED WITH  
M3 NUT - OPTION L  
UNC 4-40 NUT - OPTION O  
HOLLOW RIVET - BLANK

## VIEW WITH RIVETED FEMALE SCREW &amp; METAL BRACKET

OPTION: - V WITH M (METAL BRACKET)



FEMALE SCREW LOCK  
4-40 UNC 2B

|             |             |                  |            |                                   |
|-------------|-------------|------------------|------------|-----------------------------------|
| mat'l. code | surface     | tolerance        | projection | product family                    |
| -           | ISO 1302    | ISO 406 ISO 1101 | MM         | D-SUB                             |
| ltr         | ecn no      | dr               | date       | title                             |
| G           | 106-0074    | GVJ              | 2006/06/08 | D-SUB A/S CONNECTOR               |
| H           | 108-0047    | MRA              | 2008/03/25 | (DP SERIES WITH ASSEMBLY OPTIONS) |
| J           | 109-0075    | MRA              | 2009/05/14 | dwg no                            |
| K           | 111-0016    | MRA              | 2010/09/02 | sheet 1 of 1                      |
| L           | ELX-1-20760 | MP               | 2015/05/02 | size                              |
|             |             |                  |            | A3                                |
|             |             |                  |            | type                              |
|             |             |                  |            | Product Customer Drawing          |
| sheet       | revision    | L                |            |                                   |
| index       | sheet       | 1                |            |                                   |

|    |            |       |       |       |       |       |       |       |       |
|----|------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 50 | P          | 66.65 | 52.68 | 61.11 | 11.08 | 14.99 | 11.09 | 5.85  | 1.0   |
|    | S          | 66.65 | 52.30 | 61.11 | 10.62 | 14.99 | 11.21 | 6.05  | 0.8   |
| 37 | P          | 68.94 | 55.30 | 63.50 | 8.23  | 12.17 | 11.09 | 5.85  | 1.0   |
|    | S          | 68.94 | 54.71 | 63.50 | 7.77  | 12.17 | 11.21 | 6.05  | 0.8   |
| 25 | P          | 52.65 | 38.84 | 47.04 | 8.23  | 12.17 | 11.09 | 5.85  | 0.8   |
|    | S          | 52.65 | 38.25 | 47.04 | 7.77  | 12.17 | 11.21 | 6.05  | 0.8   |
| 15 | P          | 38.76 | 25.12 | 33.32 | 8.23  | 12.17 | 10.99 | 5.85  | 0.8   |
|    | S          | 38.76 | 24.54 | 33.32 | 7.77  | 12.17 | 11.21 | 6.05  | 0.8   |
| 09 | P          | 30.43 | 16.79 | 24.99 | 8.23  | 12.17 | 10.99 | 5.85  | 0.8   |
|    | S          | 30.43 | 16.21 | 24.99 | 7.77  | 12.17 | 11.21 | 6.05  | 0.8   |
| D  | SHELL SIZE | A-0   | +0.76 | B-0   | +0.25 | C-0   | ±0.12 | D-0   | +0.25 |
|    |            |       |       |       |       | E-0   | +0.76 | F MAX | +0.15 |
|    |            |       |       |       |       |       |       | G-0   | +0.22 |
|    |            |       |       |       |       |       |       | H-0   |       |

## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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