

HERMETIC SEALED  
DHMM CONNECTOR  
with GlasTomer™

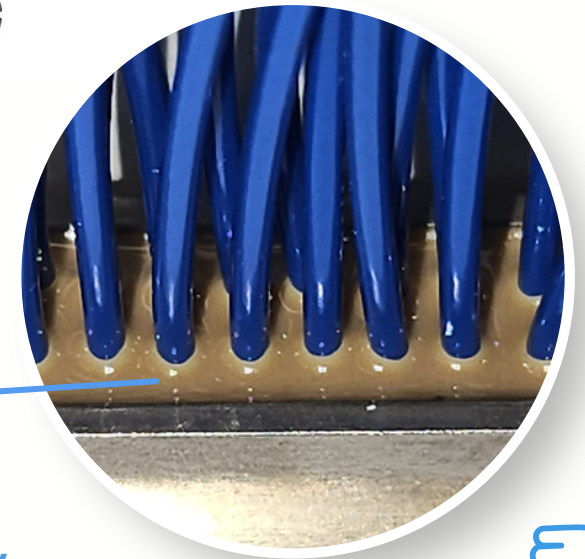
All Basic Performance  
of DMM series

- 2mm Pitch
- 1 to 4 rows
- Up to 120 LF/64 HP
- EMI / RFI
- Meets MIL-DTL-83513-G Performances
- Mechanical Fixings  
Hardware : Guide pin or Jackscrew
- Rear panel mounting
- PCB or cable
- Straight or 90°
- LF / HP / Mixed LF & HP

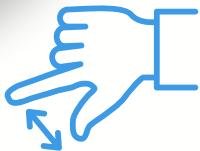
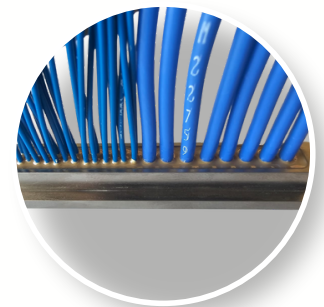


DHMM shell filled with  
hermetic seal post  
wiring

Sealing  
Area



- Hermeticity :  $1 \times 10^{-8}$  cc He/sec
- Operating Temperature :  
-55°C to +125°C
- Lighter than glass
- Dynamic adhesive material
- Immune to thermal cycles & mechanical shocks
- Low outgassing for space applications



## TECHNICAL FEATURES

**SHELL:** Aluminium 6061 type alloy finish Nickel plating

**INSERT:** Special PPS (Polyphenylene Sulfide Fibreglass filled thermoplastic) UL 94-V0

Radiation resistance / No humidity absorption / Oxygen free

Thermal vaccum outgassing: TML < 1% and VCM < 0.1%

Insert retention: 50 pounds per sq.inch

### FIXING HARDWARE :

Jackscrew : Passivated stainless steel 300 series

M2,5 Max. torque 0,30 N.m (circlip version) / 0.40 N.m (others)

(Threadlocker recommended)

**O-RINGS:** Viton 75

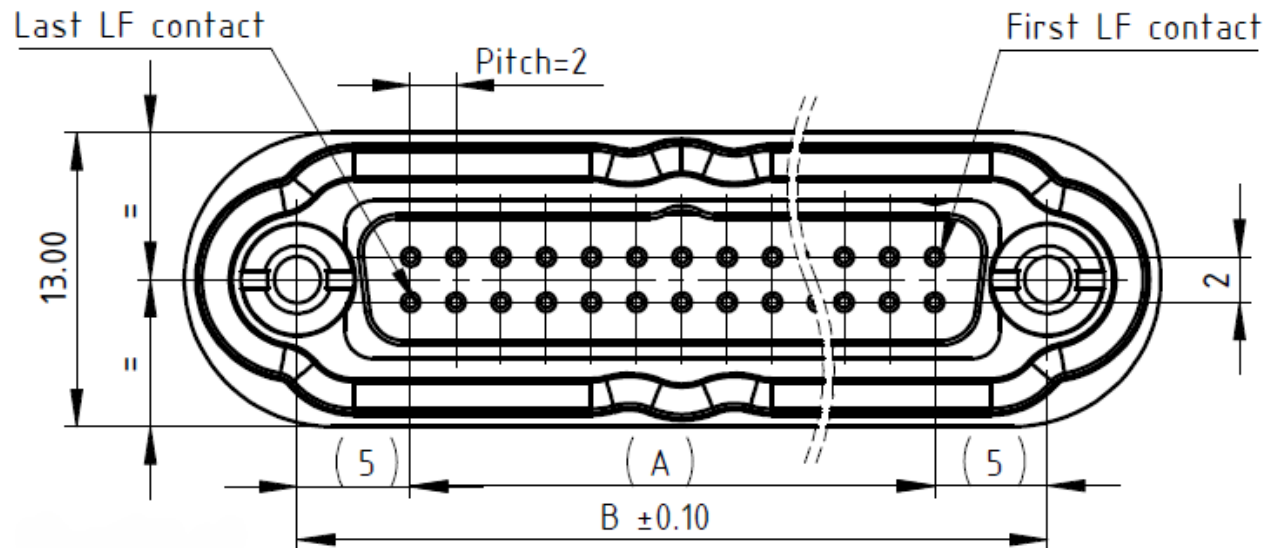
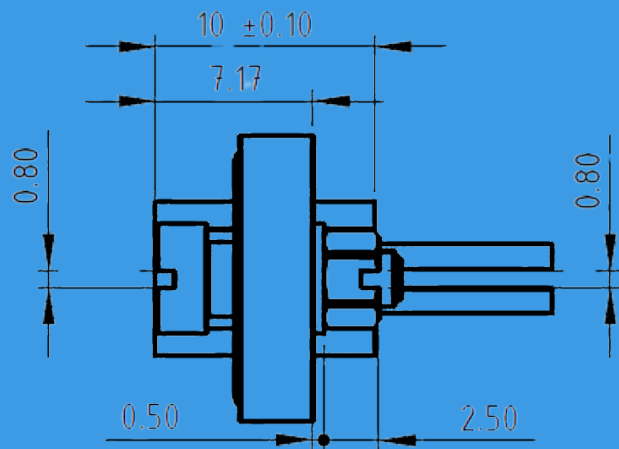
**HEMRETIC SEAL:** Hermeticity level : <math>10^{-8}</math> cc/sec

**LF CONTACTS** Male: Copper alloy / Ni + Au > 1 $\mu$

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### Catalog Reference:

DH221SPnnDH55C-LLLL



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The DMM micro-connectors specifications are measured under MIL-DTL-83513G and EIA test procedures

## TECHNICAL FEATURES

### ELECTRICAL WIRE FOR AWG24-28:

MIL-W-22759/11:

- Conductor : Silver coated copper
- Insulation : Extruded PTFE
- Jacket : none
- Temperature rating : 200°C
- Voltage rating : 600V

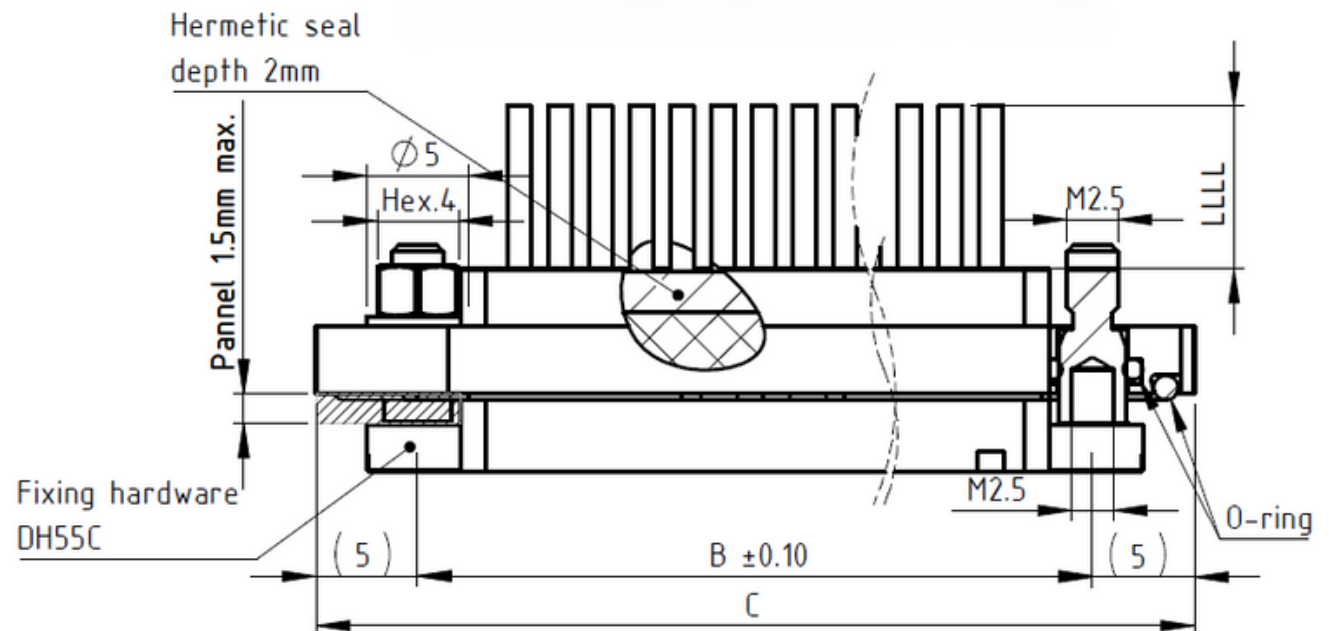
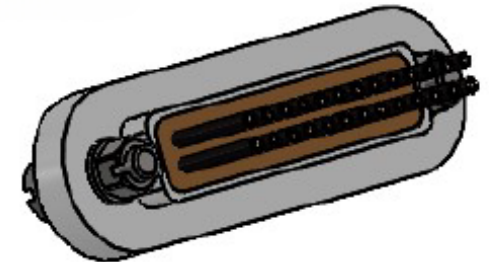
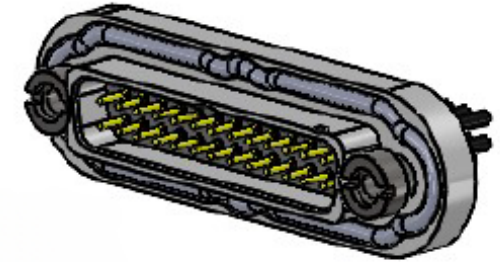
Cabling according to IPC-A-620 class 2

Electrical test 100% :

Insulation resistance :  $\geq 500$  MOhms (600VDC)

Continuity test (25VDC)

For more information:  
☎ +972-73-253-0770  
✉ Israel@nicomatic.com



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| Length LLLL (mm)  | Tolerance |
|-------------------|-----------|
| LLLL <300         | ± 5mm     |
| 300 ≤ LLLL <1500  | ± 10mm    |
| 1500 ≤ LLLL <3000 | ± 50mm    |
| 3000 ≤ LLLL <8000 | ± 75mm    |

## TECHNICAL FEATURES

### ELECTRICAL FOR LF CONTACTS

- Rated current 3 A max@25°C / 2.2 A max@85°C
- Rated voltage (sea level) 200 Vrms
- Withstanding voltage (sea level) 600 Vrms
- Breakdown voltage (sea level) 800 Vrms
- Contact resistance (initial) 8.7 mΩ max
- Insulation resistance 5 GΩ min

### MECHANICAL FOR LF CONTACTS

- Contact durability 500 cycles min.
- Contact engagement / separation force 1.7 N max. / 0.2 N min per contact
- Contact retention in insulator (initial) 10 N min

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## ENVIRONMENTAL

- Temperature range From -55°C to +125°C. (Complies with PbFree reflow T° profile)
- Vibration severity 10 to 2000Hz / 20g / 3 axis / 12 cycles per axis.  
(no signal interruption > than 1 μs)
- Shock severity 100g for 6 ms sawtooth. (no signal interruption > than 1 μs)
- Salt spray 96h, 5% NaCl
- Fluid resistance lubricating oil Aircraft turbine engines, synthetic base and coolant-dielectric fluid synthetic silicate ester base lubricant (coolanol 25 or equivalent)