

REFERENCE SPECIFICATIONS

-NFC 93425 (in compliance with HE 507)

PHYSICAL CHARACTERISTICS

-INSULATOR MATERIAL: THERMOPLASTIC / STANDARD MATERIAL

-CONTACT MATERIAL: PHOSPHOR BRONZE (FEMALE SIGNAL CONTACT)

BRASS (PIN SIGNAL CONTACT)

BRASS (POWERS CONTACT)

-ACCESSORIES: BRASS TIN LEAD OVER NICKEL

-SHELLS: STEEL BRIGHT TIN LEAD

ELECTRICAL CHARACTERISTICS

-NOMINAL CURRENT: 7.5A (STANDARD CONDITIONS)

-CONTACT RESISTANCE: $\leq 7.3\text{m}\Omega$

-CONTACT/CONTACT : $\geq 1000\text{ V}$

-CONTACT/GROUND : $\geq 1200\text{ V}$

-INSULATION RESISTANCE: $\geq 5000\text{ M}\Omega$

ENVIRONMENTAL CHARACTERISTICS

- CLIMATIC CATEGORY: 55/125/21

TEMPERATURE RANGE -55°C TO $+125^{\circ}\text{C}$

DAMP HEAT STEADY STATE 21 DAYS

SALT SPRAY 24 HOURS

MECHANICAL CHARACTERISTICS

- RETENTION AGAINST TORQUE: - Threaded insert: 0.7 N.m minimum

- Female screw lock: 0.5 N.m minimum

CONTACT PLATING FOR TIN LEAD VERSION

SIGNAL CONTACT:

- GOLD OVER NICKEL ON MATING AREA

- TIN LEAD OVER NICKEL ON TERMINATION PARTS

POWERS CONTACTS:

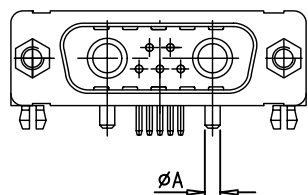
- GOLD OVER NICKEL ON ACTIVE AREA

- TIN LEAD OVER NICKEL ON TERMINATION PARTS

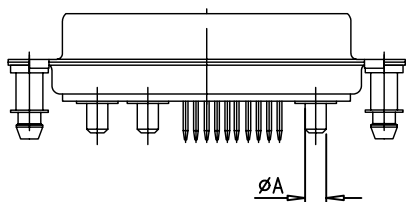
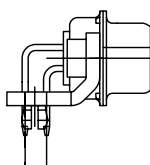
CONTACT PLATING FOR LEAD FREE VERSION

NOTE RoHS INFORMATION

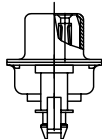
- The "LF" products meet european union Directives and other country regulations as described in GS-22-008.
- The housing will withstand exposure to 260°C peak temperature for 3.5 seconds in a wave solder application with a 1.6mm minimum thick circuit board. See application notes/procedures if they are available.
- Termination plating spec:
 - Signal contacts: Ni + Gold
 - Power contacts: $1.27\mu\text{m}$ Nickel mini, 2.5 to $7.5\mu\text{m}$ Sn (pure bright)
 - Shell plating : 2 to $4\mu\text{Cu}$ + 3 to $10\mu\text{m}$ Sn (pure bright)
 - Accessories: Sn pure bright
- Packaging spec: See GS-14-920



RIGHT ANGLED



STRAIGHT



		POWER CONTACTS			ACCESSORIES
500 Mating/unmating - gold contact area	D*****43***	30 A	2.00	$\varnothing 2.40$	$\varnothing 3.10$
200 Mating/unmating - gold contact area	D*****00***				
500 Mating/unmating - gold contact area	D*****43***	40 A	2.80	$\varnothing 3.10$	$\varnothing 3.10$
200 Mating/unmating - gold contact area	D*****00***				
PROTECTION	PART NUMBER	Max current power	$\varnothing A$	PCB HOLE tin Lead	PCB HOLE tin Lead

European Views

www.fciconnect.com			surface ISO 1302		tolerance std ISO 406 ISO 1101		projection 		mm 		
TOLERANCES UNLESS OTHERWISE SPECIFIED											
Dr	JARRY	2001/02/05	ANGULAR	LINEAR	0.X	±0.1	size A3	Scale 1.5:1			
Eng	PESSON	2001/02/05			0.XX	±0.1					
Chr	LEGARE	2001/02/05			0.XXX	±0.1					
Appr	LEGARE	2001/02/05	Product family				D-SUB		Spec ref -		
			title D-SUB MIXED RA & STRAIGHT STB VERSION GENERALS CHAR				dwg no C01-8639-0000			Rev. F	
catalog no			-				CUSTOMER			sheet 1 of 1	

REV F - 2006-04-17

Mouser Electronics

Authorized Distributor

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