



PLATING ACTIVE ZONE			CHARACTERISTICS					
500 mating/unmating Ni: 2 μm 0 Au: 1.27 μm min	500 mating/unmating Cu : flash Ni P : 2 μm 0 Au: 0.2 μm min (equivalent 0.8 μm Au)	200 mating/unmating Cu : flash Ni P : 2 μm 0 Au: 0.15 μm min (equivalent 0.4 μm Au)	CURRENT max A	AWG WIRE	mm ² AREA	$\phi A^{+0.1}_0$	$\phi B \pm 0.1$	Clip colour
8638PSS4007LF	8638PSS4006LF	-----	40	8	8.35	4.40	5.50	BLUE
8638PSS2007LF	8638PSS2006LF	-----	20	12	3.31	2.80	3.65	RED
8638PSS1507LF	8638PSS1506LF	8638PSS1505LF	15	14	2.08	2.10	3.00	WHITE
8638PSS1007LF	8638PSS1006LF	-----	10	16	1.31	1.70	2.60	BLACK

NOTE: RoHS INFORMATIONS

- The "LF" products meet European union Directives and regulations as described in GS-22-008
- Termination plating spec: Sn pure matte
- Packaging spec: see GS-14-920

Materials and finish

Active zone: CuZn40 Pb3. Plating: See table
Termination zone (soldering sleeve): CuZn40Pb3
Plating 2 μm 0 Cu 3 μm 0 Tin pure matte
Clip : Thermoset plastic

Technical characteristics

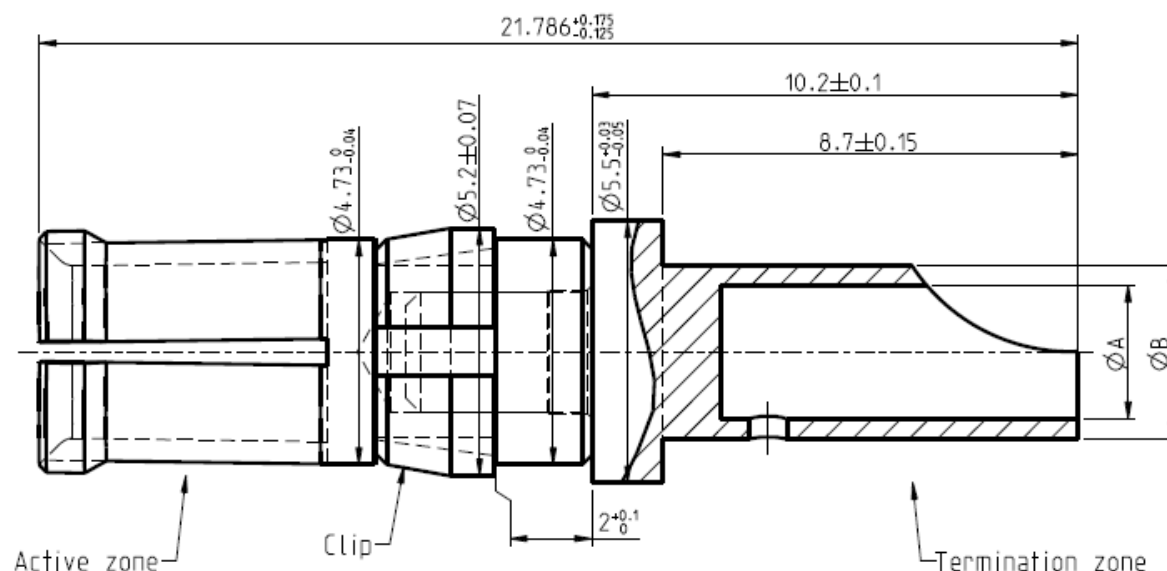
Peak voltage: 750 Veff.
Operating voltage: 500 Veff.
Temperature range -55 °C +125 °C
Packaged per 100
Current capability : see table

Mechanical characteristics :

Mechanical endurance: 200 or 500 matings/unmatings (see table).
Contact insertion force in insulator:
60N maxi in a hole of 4.80 mm

Examination of product:

Remove all burrs and sharp edges 0.08 maxi
No scratch allowed



Mark with		Material	SEE NOTES		Spec ref		
		Mat code	-		surface -	tolerance	projection
		Heat treat	-		ISO 1302	ISO 405	mm
		Plating/Finish	SEE TABLE + NOTES		ISO 1101	ISO 1101	
Rev	ecr no	dr	date	Dr	JARRY	1994/12/13	size
D	---	JAR	2002/02/26	Eng	JARRY	1994/12/13	A3
C	LS05-006	MPE	2005/04/14	Chr	LEGARE	1994/12/13	Scale
D	LS06-0097	LGO	2006/07/27	Appr	LEGARE	1994/12/13	10:1
E	LS08-0029	MPE	2008/01/28	Product family		-	
F	F10-0031	GPE	2010/04/12	Model Name		8638PSS200XLF	
G	F12-0834	GPE	2012/11/12	Model Revision		1	
				REL Level		F10-0031	
				FCI		FEMALE POWER CONTACT	
				FOR SOLDERED CONNECTION		C01-8638-0348	
				Pro/E file		-	
				Catalog no		Customer	
				-		sheet 1 of 1	

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[FCI / Amphenol:](#)

[8638PSS1506LF](#)