

PLATING ACTIVE ZONE			CHARACTERISTICS					
500 mating/unmating Ni: $2\mu\text{m}^{+2\mu\text{m}}_0$ Au: $1.27\mu\text{m min}$	500 mating/unmating Cu : flash Ni P : $2\mu\text{m}^{+2\mu\text{m}}_0$ Au: $0.2\mu\text{m min}$ (equivalent $0.8\mu\text{m Au}$)	200 mating/unmating Cu : flash Ni P : $2\mu\text{m}^{+2\mu\text{m}}_0$ Au: $0.15\mu\text{m min}$ (equivalent $0.4\mu\text{m Au}$)	CURRENT max A	AWG WIRE	mm ² AREA	$\varnothing A^{+0.1}_0$	$\varnothing B \pm 0.1$	Clip colour
8638PPS4007LF	8638PPS4006LF	-----	40	8	8.35	4.40	5.50	BLUE
8638PPS2007LF	8638PPS2006LF	-----	20	12	3.31	2.80	3.65	RED
8638PPS1507LF	8638PPS1506LF	8638PPS1505LF	15	14	2.08	2.10	3.00	WHITE
8638PPS1007LF	8638PPS1006LF	-----	10	16	1.34	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 $2\mu\text{m}^{+2\mu\text{m}}_0$ Cu $3\mu\text{m}^{+3\mu\text{m}}_0$ Tin pure matte
Clip : Thermoset plastic

Technical characteristics

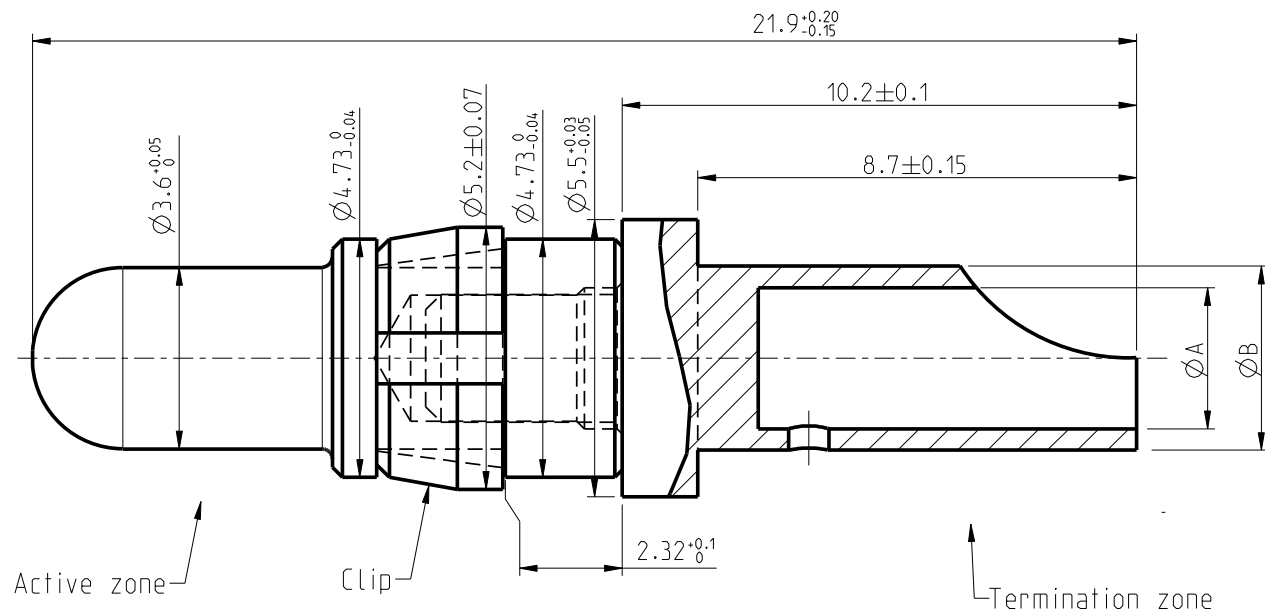
Peak voltage: 750 Veff.
Operating voltage: 500 Veff.
Temperature range $-55^\circ\text{C} +125^\circ\text{C}$
Packaged per 100
Current capability : see table

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
				Heatreat -		ISO 405	projection
				Plating/Finish SEE TABLE + NOTES		ISO 1302	ISO 1101
Dr	JARRY	2002/02/28		size		A3	Scale
Eng	JARRY	2002/02/28		Product family		-	10:1
Chr	LEGARE	2002/02/28		Model Name		8638PPS200XLF	ECN
Appr	LEGARE	2002/02/28		Model Revision		1	F10-0031
				REL Level		1	
				title		MALE POWER CONTACT	
				SOLDERED CONNECTION			
				Pro/E file		catalog no	
rev	ecn no	dr	date	dwg no		C01-8638-0349	
B	LS05-005	JAR	2002/02/28				
C	LS06-0097	MPE	2005/04/14				
D	LS08-0029	LGO	2006/07/27				
E	F09-D054	MPE	2008/01/28				
F	F10-0031	GPE	2010/04/12				
				Customer		sheet 1 of 1	