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3

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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

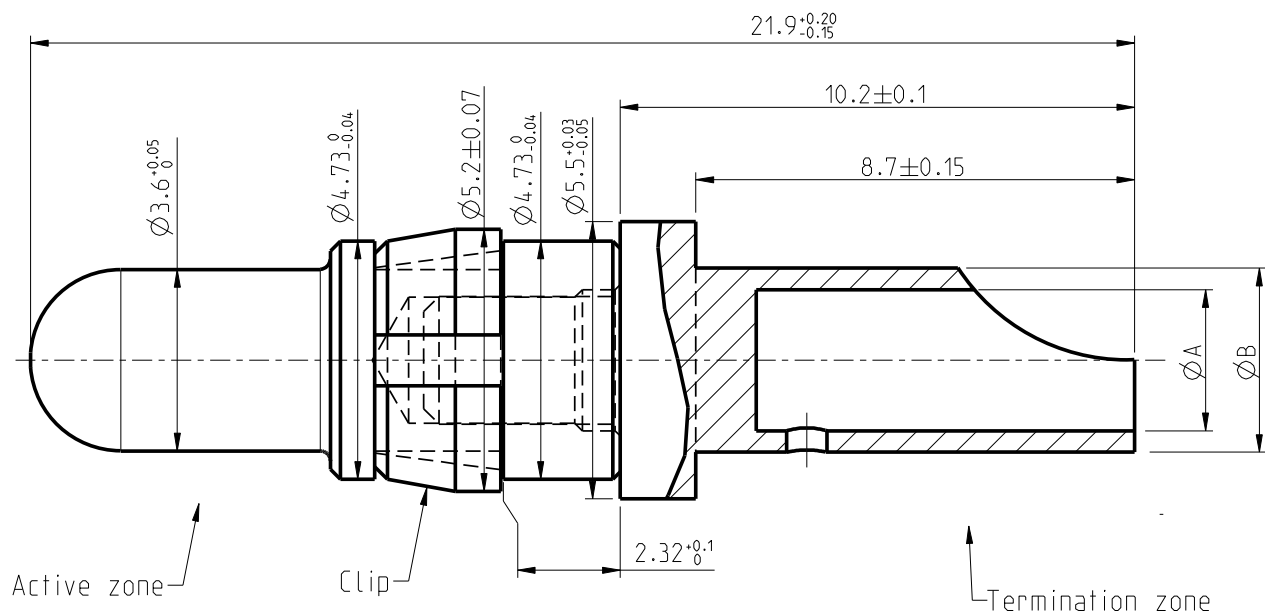
Peak voltage: 750 Veff.
Operating voltage: 500 Veff.
Temperature range $-55^\circ\text{C} +125^\circ\text{C}$
Packaged per 100
Current capability : see table

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



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rev	ecn no	dr	date
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

Material	SEE NOTES		Spec ref		
Mat code	-		surface	-	tolerance
Heatreat	-			✓	ISO 405
Plating/Finish	SEE TABLE + NOTES		ISO 1302		ISO 1101
Dr	JARRY	2002/02/28	Product family	-	size
Eng	JARRY	2002/02/28	Model Name	8638PPS200XLF	A3
Chr	LEGARE	2002/02/28	Model Revision	1	Scale
Appr	LEGARE	2002/02/28	REL Level		10:1
FCI			title	MALE POWER CONTACT	
				SOLDERED CONNECTION	
			Pro/E file	catalog no	-
			Customer	sheet 1 of 1	

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Rev. F

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2

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PDM: Rev:F

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