

REFERENCE SPECIFICATIONS

- MIL-DTL-24308
- IEC-60352-5
- IEC-60512 (TESTS PROCEDURE)

PHYSICAL CHARACTERISTICS

- INSULATOR MATERIAL: THERMOPLASTIC COLOR BLACK
- CONTACT MATERIAL: COPPER ALLOY
- ACCESSORIES : BRASS
- SHELL : STEEL

ELECTRICAL CHARACTERISTICS

- NOMINAL CURRENT: 2.5A
- CONTACT RESISTANCE : $<10m\Omega$
- VOLTAGE PROOF : >750 V.r.m.s.
- RATED VOLTAGE : 300 V.r.m.s.
- INSULATION RESISTANCE: $>5000M\Omega$
- CREEPAGE AND CLEARANCE DISTANCE: $>1mm$

MECHANICAL CHARACTERISTICS

- RETENTION AGAINST TORQUE:
 - Threaded insert: 0.7 N.m minimum
 - Female screw lock: 0.5 N.m minimum
 - Insert L: threaded M3
 - Insert X: threaded UNC 4.40
 - Female screw V threaded UNC 4.40
- INSERTION AND WITH DRAWAL FORCE: $<n \times 3.40$ N (n number of cts)
- GAUGE RETENTION FORCE : >0.14 N
- with gauge $\varnothing 0.99 \pm 0.005$ / SURFACE ROUGHNESS:
 - $Ra=0.10\mu$ mini- 0.25μ maxi
- VIBRATIONS: 10-500Hz / 1.5 mm - 10g / 3 HRS/axis according with MIL std 1344 meth.2005 cond 2 interruption $<1\mu s$

ENVIRONMENTAL CHARACTERISTICS

- CLIMATIC CATEGORY: 55 / 125 / 56
- TEMPERATURE RANGE -55° C to +125° C
- DAMP HEAT STEADY STATE 56 DAYS
- SALT SPRAY : 48 Hours

NOTE RoHS INFORMATIONS

- The "LF" products meet European union Directives and other country regulations as described in GS-22-008
- Contacts
 - Gold over nickel on mating area
 - : 1.27μ Nickel mini, 0.5 to 1.5 μ pure matte tin on termination
- Shell plating: Nickel or Pure Tin
- Accessories with harpoon: bright pure tin over Nickel
- Other accessories: bright Nickel
- Packaging spec: see GS-14-920

PLATING FOR TIN LEAD VERSIONS

- Contacts : gold over Nickel on mating area tin lead over Nickel on termination
- Shells bright Nickel or Bright Pure Tin
- Accessories with harpoon: bright pure tin over Nickel
- Other accessories: Nickel

CD62S91C6--00LF

Series

Nb of contacts

Contact definition:
S : socket

Foot print 6.00
PCB Hole $\varnothing 1.00mm$

Press-fit termination
(stamped contact)

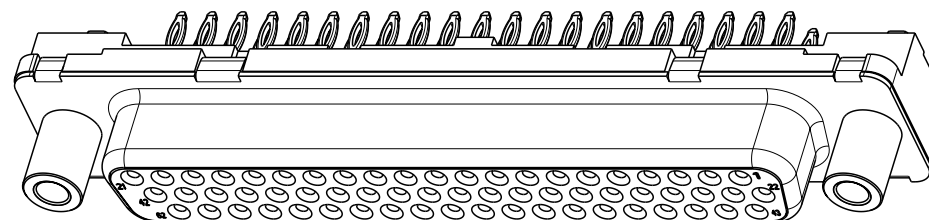
Plating definition :
4 Standard class > 200 mating/unmating
6 High performance class > 500 mating/unmating

Front accessories definition :
(see sheet 2)

GL : Harpoons + insert M3
GX : Harpoons + insert UNC 4-40
GV : Harpoons + female screw UNC 4-40

Standard version

RoHS compatible
(see note RoHS)



www.fciconnect.com		surface	-	tolerance std	projection	mm	
		ISO 1302	✓	ISO 406	ISO 1101		
		TOLERANCES UNLESS OTHERWISE SPECIFIED					
		ANGULAR	LINEAR	0.X	± 0.3	size	Scale
		0° ± 2°		0.XX	± 0.1	A2	2:1
				0.XXX	± 0.05	ECN	LS07-0314
		Product family				Spec ref	
		SOCKET COMPACT D 62				C-8646-0892	Rev.
		WITH STRAIGHT PRESS-FIT 1.0					C
		catalog no					sheet 1 of 3

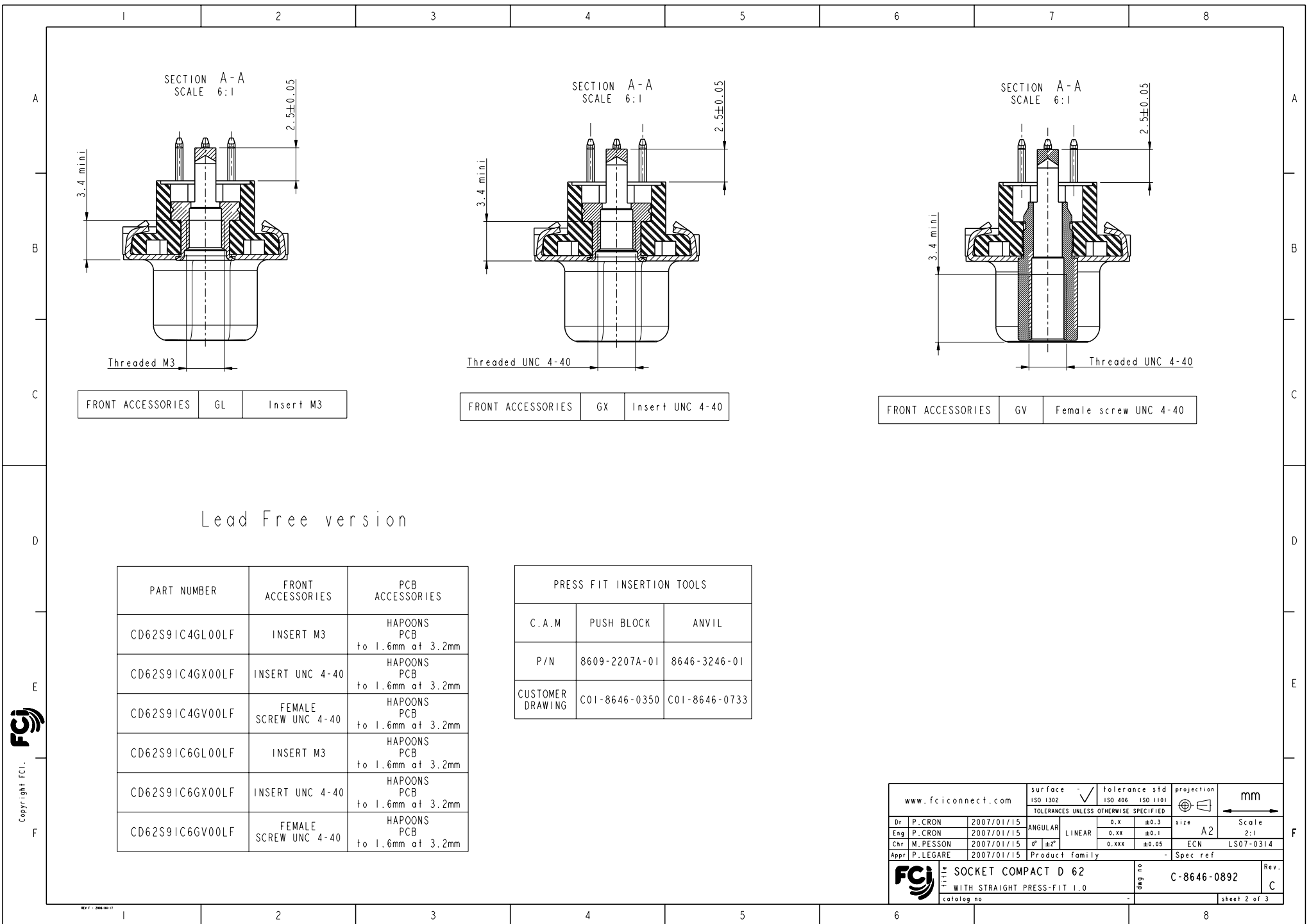
rev	ecn no	dr	date
I	LS07-0015	PCR	2007/01/16
A	LS07-0191	HLE	2007/07/03
B	LS07-0247	HLE	2007/10/01
C	LS07-0314	HLE	2007/12/11
-	-	-	-
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METALLIZED HOLE DIMENSION		HOLE PRESS-FIT CONTACT SnPb ØA	HOLE PRESS-FIT CONTACT Sn ØA	HOLE PRESS-FIT HARPOON SnPb ØB	HOLE PRESS-FIT HARPOON Sn ØB	HOLE PRESS-FIT CONTACT Cooper OSP ØA	HOLE PRESS-FIT HARPOON Cooper OSP ØB
P.C.B. HOLE DEFINITION (NOTE 1 et 2)	DRILL DIAMETER	Ø1.15 REF (NOTE-3)	Ø1.15 REF (NOTE-3)	Ø3.22 REF (NOTE-3)	Ø3.22 REF (NOTE-3)	Ø1.15 REF (NOTE-3)	Ø3.22 REF (NOTE-3)
	DRILLED HOLE	Ø1.12 - Ø1.18	Ø1.12 - Ø1.18	Ø3.19 - Ø3.25	Ø3.19 - Ø3.25	Ø1.12 - Ø1.18	Ø3.19 - Ø3.25
	COPPER PLATING	25µ mini - 50µ maxi	25µ mini - 50µ maxi	25µ mini - 50µ maxi	25µ mini - 50µ maxi	25µ mini - 50µ maxi	25µ mini - 50µ maxi
	TIN LEAD PLATING	5µ mini - 15µ maxi		5µ mini - 15µ maxi			
	PUR TIN PLATED		0.8µ mini - 1.2µ maxi		0.8µ mini - 1.2µ maxi		
	OSP PLATING (cooper)					0.2µ mini - 0.5µ maxi	0.2µ mini - 0.5µ maxi
	FINISH HOLE (after reflow)	Ø0.94 - Ø1.09	Ø1.00 - Ø1.09	Ø3.02 - Ø3.20	Ø3.08 - Ø3.20	Ø1.01 - Ø1.09	Ø3.09 - Ø3.20

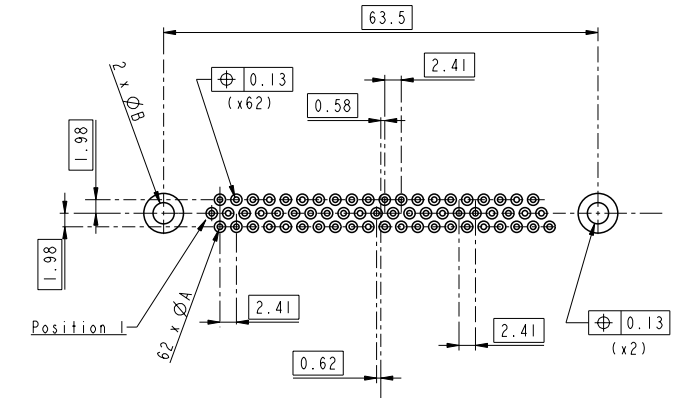
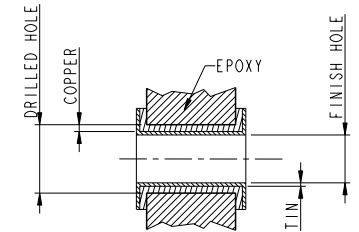
NOTE-1: THESE DIMENSIONS MUST BE RESPECT TO SECURE PRESS-FIT PIN PERFORMANCES.

NOTE-2: ACCORDING TO IEC -352-5 SPEC.

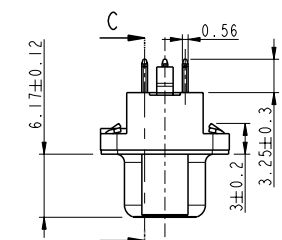
NOTE-3: MAJOR REQUIEREMENT FOR PRESS-FIT PIN PERFORMANCE

PRESS-FIT PERFORMANCE

PER CONTACT	PRESS-FIT CONTACTS	PRESS-FIT HARPOONS
INSERTION FORCE	< 100N	< 120N
EXTRACTION FORCE	> 30N	> 30N

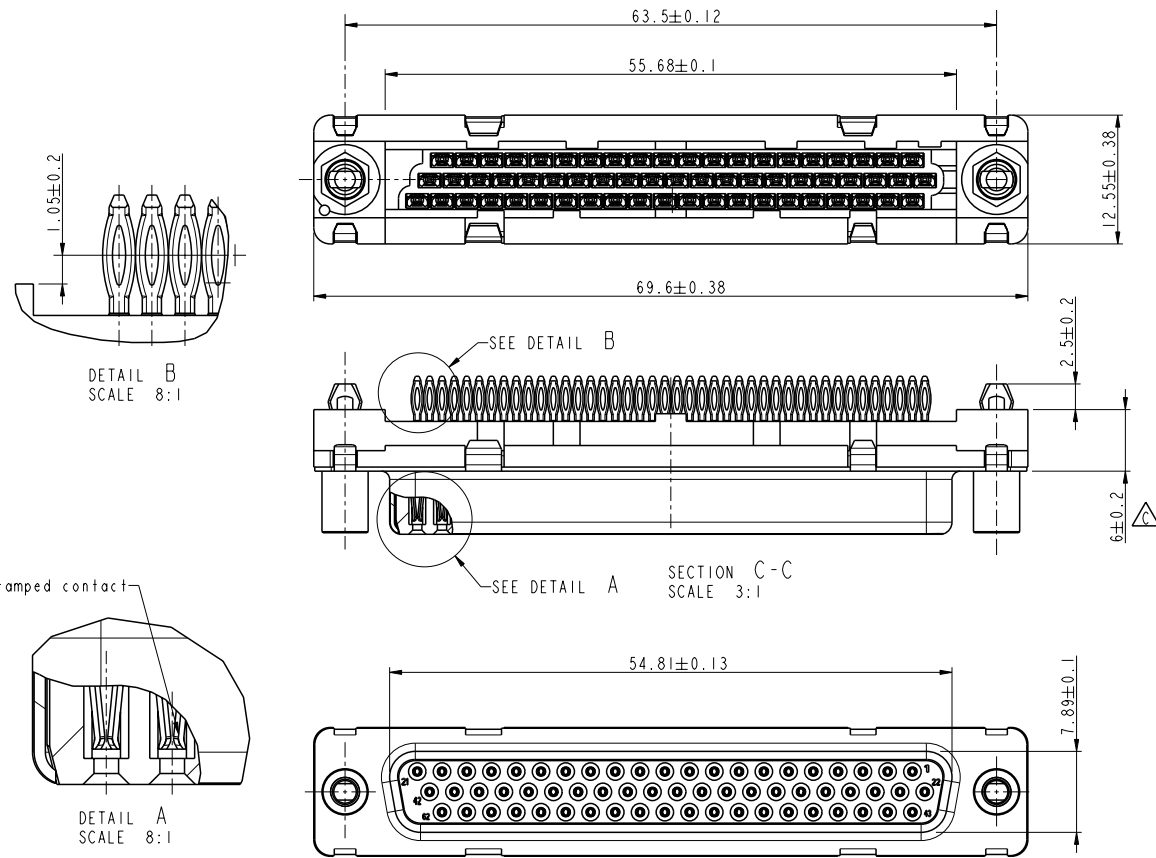


PC card Drilling Dimensions
(thickness 1.60 to 3.20 mm)



Dimension with oval around are critical dimensions including any attached geometrical tolerance. Other features or stand-alone geometrical tolerances being critical have a note "CRITICAL FEATURE" below the item.
A symbol (x: drawing current revision) will be next to any dimension, view or note which has been modified with the current drawing revision.

www.fciconnect.com		surface	ISO 1302	tolerance std	ISO 406	ISO 1101	projection	mm
		TOLERANCES UNLESS OTHERWISE SPECIFIED					size	Scale
Dr	P. CRON	2007/01/15	ANGULAR	0.X	±0.3			
Eng	P. CRON	2007/01/15	LINEAR	0.XX	±0.1		A2	2:1
Chr	M. PESSON	2007/01/15	Ø° ±2°	0.XXX	±0.05		ECN	LS07-0314
Appr	P. LEGARE	2007/01/15	Product family				Spec ref	
FCI		TITLE		SOCKET COMPACT D 62		day no		Rev.
				WITH STRAIGHT PRESS-FIT 1.0		C-8646-0892		C
		catalog no				sheet 3 of 3		



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