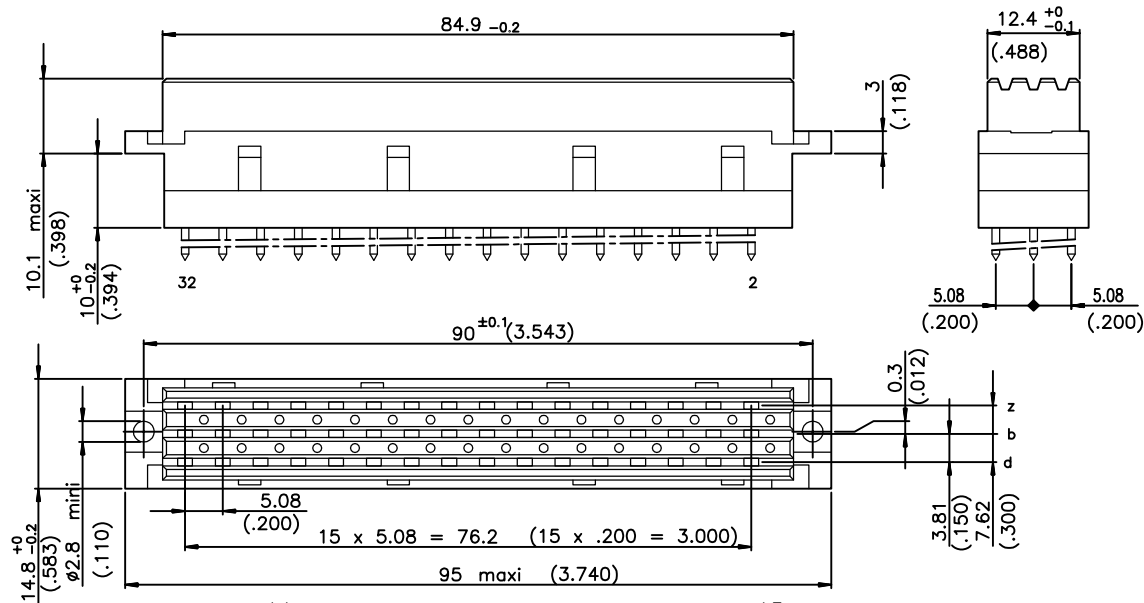


DIMENSIONS mm (inches)



ELECTRICAL DATA

-Current at AMB.	5.5 A at 20° / 4 A at 70°
-Contact resistance	$\leq 15 \text{ m}\Omega$ according to DIN 41640 Teil 4 test 2a
-Insulation resistance	$\geq 10^8 \text{ M}\Omega$ according to DIN 41640 teil 7 test 3a
-TEST VOLTAGE	according to DIN 41640 teil 21
contact/contact	1550V eff
contact/ground	2500V eff

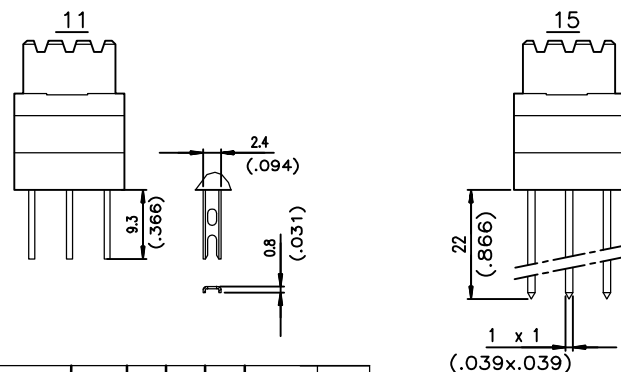
MECHANICAL DATA

-Insertion force	$\leq 75 \text{ N}$
-Mechanical endurance	-class 1 500 matings unmatings according to DIN41640 teil 21
	-class 2 400 matings unmatings according to DIN41640 teil 21
-Material insulator	Polyester UL94V0
-Material contacts	Copper alloy
-Finishing contact surface	Gold over nickel Lead Free
-Finishing termination	Lead-Free
-Shock	$\leq 30 \text{ m}\Omega$ according to DIN 41640 Teil 14 test 6c
-Vibration	-class 1 10-2000Hz/20g according to DIN 41640 Teil 15
	-class 2 10-500Hz/5g according to DIN 41640 Teil 15

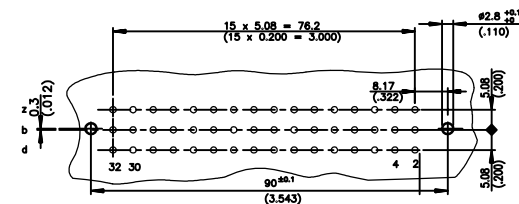
ENVIRONMENTAL DATA

-Climatic category	According to DIN 41612
-Corrosion	According to DIN 41612

TERMINATION



P.C. CARD DRILLING



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.
- Packaging spec:see GS-14-920

LEAD-FREE PART-NUMBER 5159 09 10 90 LF

CONTACT TERMINATION
Straight splices/W.W 3wraps 0
Hand solder 9

NUMBER OF CONTACTS 32 or 48

TERMINATION
W.W. 3 wraps 5
Hand solder 1

PERFORMANCE CLASS
DIN 41612 class 2 3
DIN 41612 class 1 4

CONTACT ARRANGEMENT
Row z,b and d with contacts (48) 111
Row z and d with contacts (32) 101
Row z and b with contacts (32) 110
Row z,b and d with contacts (48) AAC
Row z and d with contacts (32) AAA
Row z and b with contacts (32) AAB

LEAD-FREE

www.fciconnect.com				European Views			
surface	tolerance std	projection	mm				
ISO 1302	ISO 406 ISO 110						
TOLERANCES UNLESS OTHERWISE SPECIFIED							
Dr	MPESSON	2006/02/21	ANGULAR	0.X	± 0.1	size	A2
Eng	MPESSON	2006/02/21	LINEAR	0.XX	± 0.1	Scale	2
Chr	LEGARE	2006/02/21	0.XX ± 2	0.XXX	± 0.1	ECN	F12-0053
Appr	LEGARE	2006/02/21	Product family	DIN POWER 5159	Spec ref	-	
RECEPTACLES- MEDIUM POWER -3 ROW				C01-5159-0036			
STYLE F				K			
catalog no				CUSTOMER sheet 1 of 1			

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