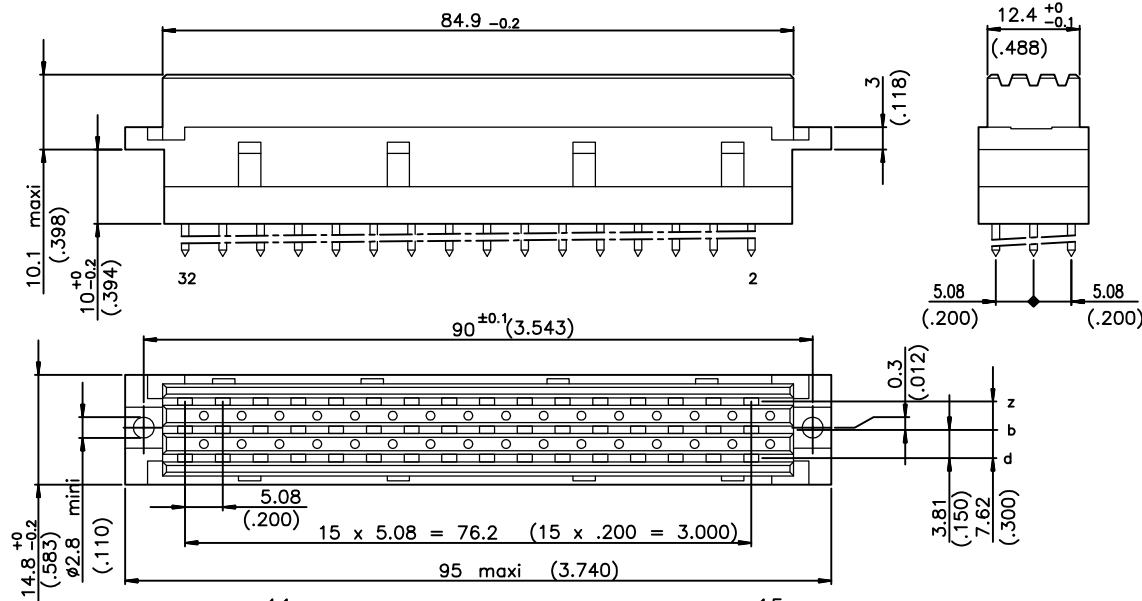


# DIMENSIONS mm (inches)



## ELECTRICAL DATA

-Current at AMB.	5.5 A at 20° / 4 A at 70°
-Contact resistance	≤15mΩ according to DIN 41640 Teil 4 test 2a
-Insulation resistance	≥10 <sup>6</sup> MΩ according to DIN 41640 teil 7 test 3a
-TEST VOLTAGE	according to DIN 41640 teil 21
contact/contact	1550V eff
contact/ground	2500V eff

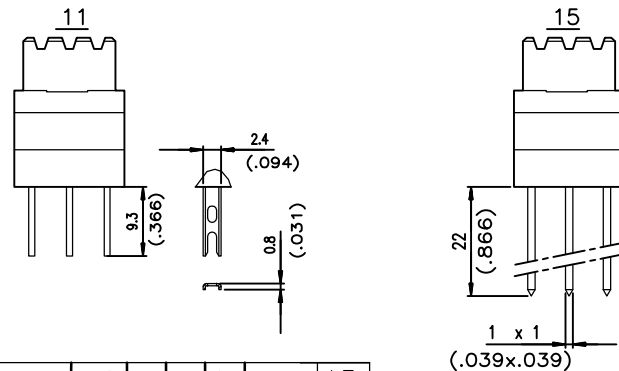
## MECHANICAL DATA

-Insertion force	≤75N
-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	≤30mΩ 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

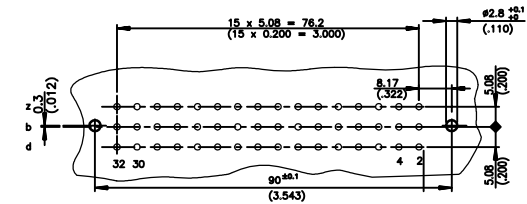
## ENVIRONMENTAL DATA

-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		A2		Scale	
TOLERANCES UNLESS OTHERWISE SPECIFIED		ANGULAR		size		F12-0053	
LINEAR		0.X		±0.1		2	
0.XX		0.XX		±0.1		K	
0.XXX		0.XXX		±0.1		1 of 1	
0.XXX ±2		Product family		DIN POWER 5159		Spec ref -	
Dr MPESSON		2006/02/21		RECEPTACLES- MEDIUM POWER -3 ROW		C01-5159-0036	
Eng MPESSON		2006/02/21		STYLE F		Rev.	
Chr LEGARE		2006/02/21		catalog no		CUSTOMER	
Appr LEGARE		2006/02/21		-		sheet	
E LS06-0097		LGO		2006/07/26		1 of 1	
F LS06-0113		LGO		2006/08/30			
G LS07-0286		LGO		2007/11/19			

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Authorized Distributor

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