

**ELECTRICAL DATA**

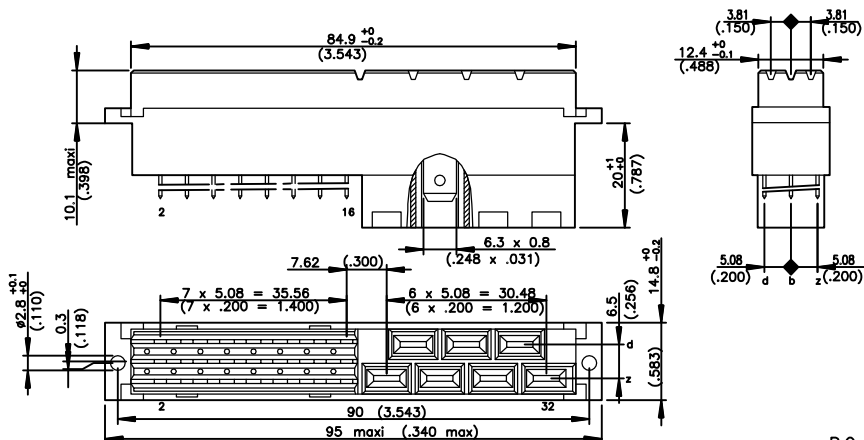
-Current at AMB.	5.5 A at 20° / 4 A at 70°
-Contact resistance	≤15mΩ according to DIN 41640 Teil 4 test 2a
-Insulation resistance	≥10 <sup>8</sup> MΩ according to DIN 41640 teil 7 test 3a
-TEST VOLTAGE	according to DIN 41640 teil 21
contact/contact	1550V eff
contact/ground	1550V eff

**MECHANICAL DATA**

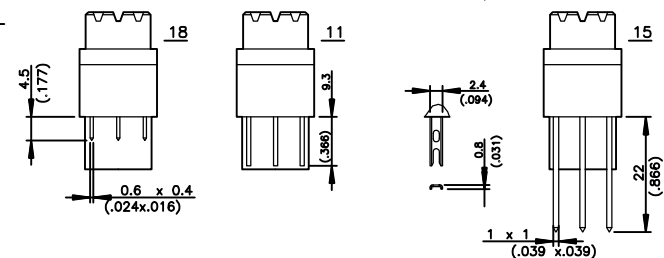
-Insertion force	≤60N
-Mechanical endurance	-class 1 500 matings unmatings according to DIN41640 teil 21 -class 2 400 matings unmatings according to DIN41640 teil 21
-Material insulator	Polyester UL94V0
-Material contacts	Copper alloy
-Finishing contact surface	Gold over nickel Lead Free
-Finishing termination	Lead-Free
-Schock	≤40mΩ 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**

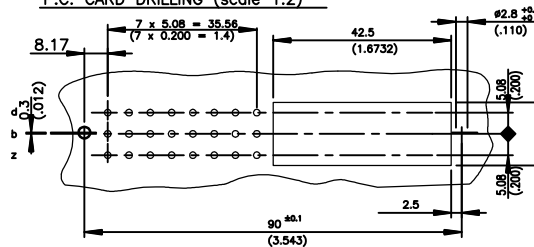
-Climatic category	According to DIN 41612
-Corrosion	According to DIN 41612



**TERMINATION**



**P.C. CARD DRILLING (scale 1.2)**



DIMENSIONS mm (inches)

**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

**European Views**

PART NUMBER	5159	002	31		9				LF
MIXED STYLE F24/H7									
NUMBER OF CONTACTS									
TERMINATION									
24 straight spills + 7 foston	---	---	---	---	---	---	---	---	18
24 hand solder + 7 foston	---	---	---	---	---	---	---	---	11
24 W.W 3 wraps	---	---	---	---	---	---	---	---	15
PERFORMANCE CLASS									
DIN 41612 class 2	---	---	---	---	---	---	---	---	3
DIN 41612 class 1	---	---	---	---	---	---	---	---	4
CONTACT TERMINATION									
5.08 x 5.08									
CONTACT ARRANGEMENT									
Row z,b and d with contacts (24 hand solder)	---	---	---	---	---	---	---	---	111
Row z and d with contacts (16 hand solder)	---	---	---	---	---	---	---	---	110
Row z and b with contacts (16 hand solder)	---	---	---	---	---	---	---	---	
LEAD-FREE									

www.fciconnect.com		surface	tolerance std	projection	mm
		ISO 1302 ✓	ISO 406 ISO 1101		
TOLERANCES UNLESS OTHERWISE SPECIFIED					A3
Dr	PESSON	2006/02/21	ANGULAR	LINEAR	
Eng	PESSON	2006/02/21	0.X	±0.1	
Chr	LEGARE	2006/02/21	0.XX	±0.1	
Appr	LEGARE	2006/02/21	0.XXX	±0.1	
Product family			DIN POWER		ECN F12-0053
					Spec ref -
title		RECEP MEDIUM HIGHT POWER			Rev.
catalog no		-			H
dwg no		C01-5159-0039			
CUSTOMER					sheet 1 of 1

rev	ecn no	dr	date
D	LS06-0022	LGO	2006/02/21
E	LS06-0095	LGO	2006/06/26
F	LS07-0288	LGO	2007/11/19
G	F10-0214	APA	2010/10/01
H	F12-0053	APA	2012/05/07
-	-	-	-
-	-	-	-



Copyright FCI.