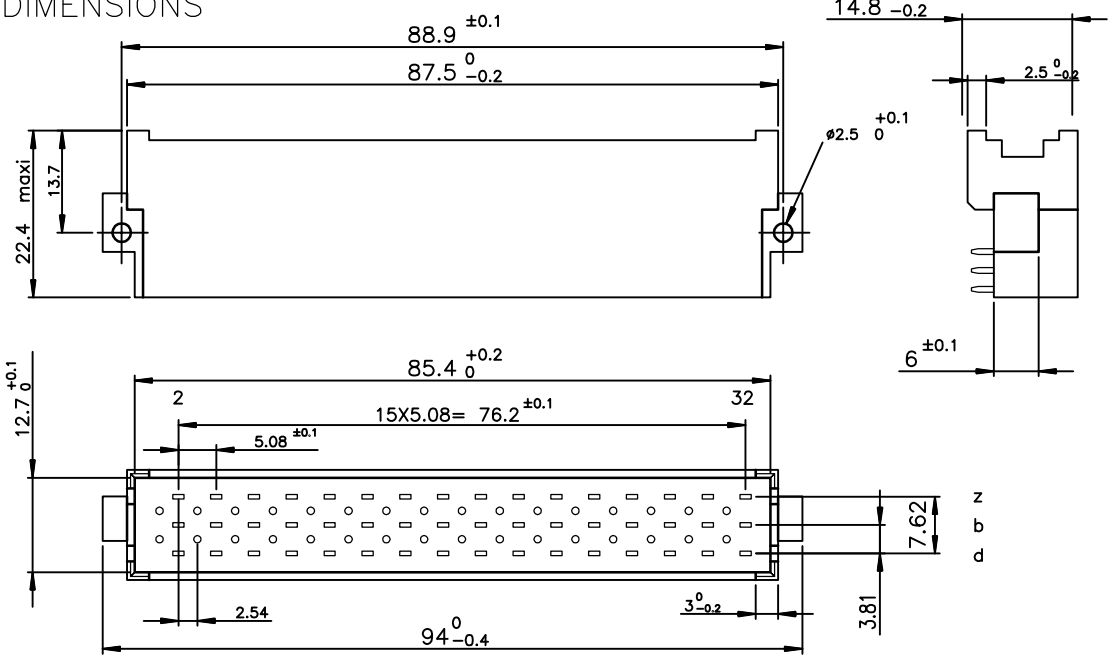
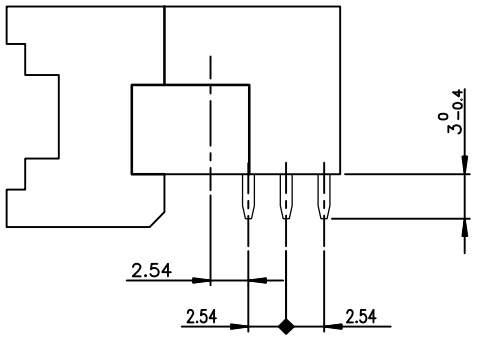
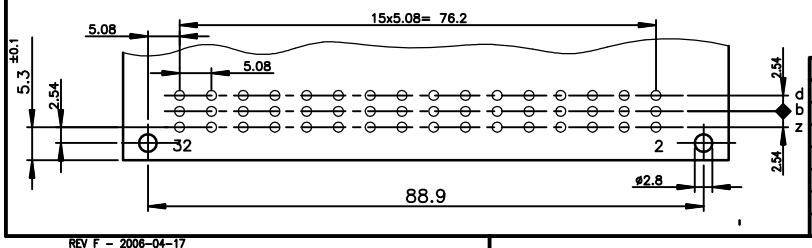
DIMENSIONS



TERMINATION



P.C. CARD DRILLING



REV F – 2006-04-17

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	≥ 10^6 MΩ according to DIN 41640 teil 7 test 3a
–TEST VOLTAGE	according to DIN 41640 teil 21
contact/contact	1550 V
contact/ground	2500 V

MECHANICAL DATA

–Insertion force	≤75N
–Mechanical endurance	500 matings unmatings according to DIN41640 teil 21
–Material insulator	Polycarbonate UL94V1
–Material contacts	Copper alloy
–Finishing contact surface	Gold over nickel lead–free
–Finishing termination	Tin lead or Lead–Free
–Schock	≤30mΩ according to DIN 41640 Teil 14 test 6c
–Vibration	10–2000Hz/20g according to DIN 41640 Teil 15

ENVIRONMENTAL DATA

–Climatic category	According to DIN 41612 – class 1
–Corrosion	According to DIN 41612 – class 1

PERFORMANCES AS PER DIN 41612 STYLE F CLASS 1

NOTE RoHS INFORMATION

– The "LF" products meet European Union Directives and other country regulations as described in GS–22–008.
– The housing will whistand exposure to 260°C peak temperature for 3.5 seconds in a wave solder application with a 1.6mm minimum thick circuit board.
– For the right angled versions , like the current leaded versions, it's recommended to use high temperature adhesive or metallic device, to protect the nearlest plastic part in contact with of the solder wave, to avoid any visual plastic deterioration.

LEAD–FREE PART–NUMBER
51590094863941111LF

rev	ecn no	dr	date
A	–	–	–
B	LS05–0119	JOU	2005/12/13
C	LS06–0022	LGO	2006/02/21
D	LS06–0097	LGO	2006/07/26
E	LS07–0288	LGO	2007/11/19
F	F10–0214	APA	2010/10/10
G	F12–0053	APA	2012/05/07

European Views

www.fciconnect.com

surface ISO 1302 | tolerance std ISO 406 ISO 1101 | projection | mm

TOLERANCES UNLESS OTHERWISE SPECIFIED

Dr	PESSON	2006/02/21	ANGULAR	LINEAR	0.X	±0.1	size A3
Eng	PESSON	2006/02/21			0.XX	±0.1	Scale 1.5
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 –

title: MALE CONNECTOR 3 ROW 48 CONTACTS
dwg no: C01–5159–0007 Rev. G
catalog no –
CUSTOMER sheet 1 of 1

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