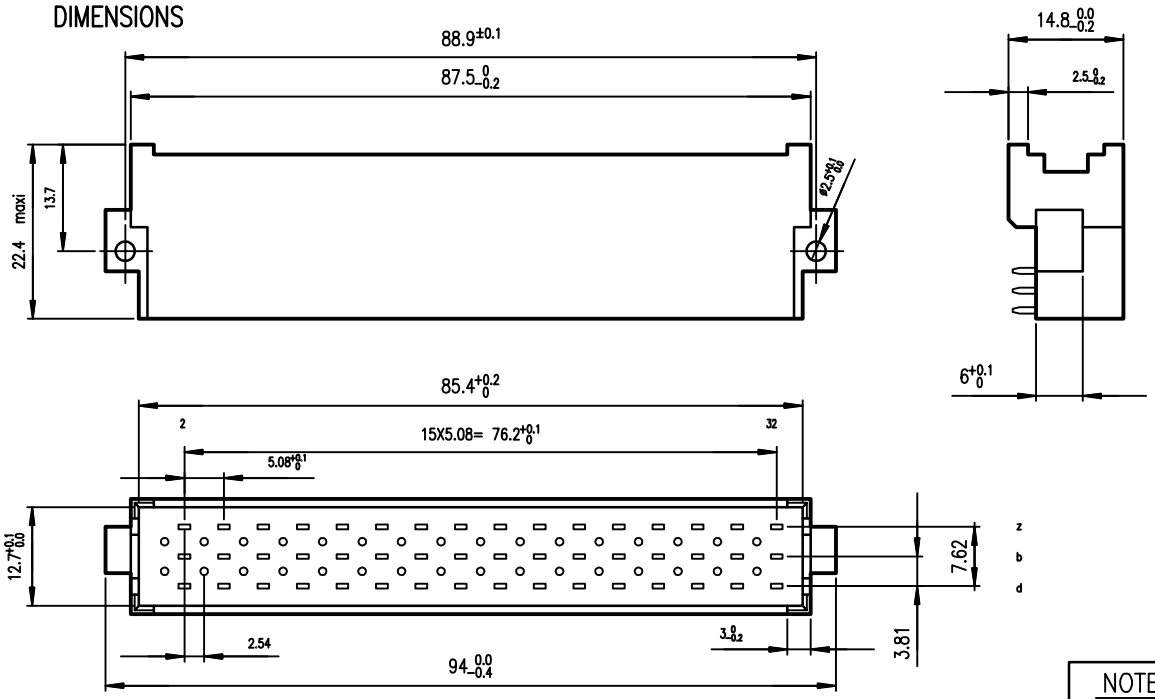
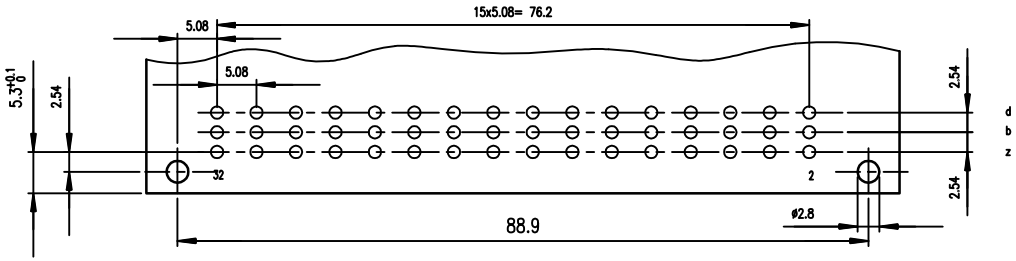
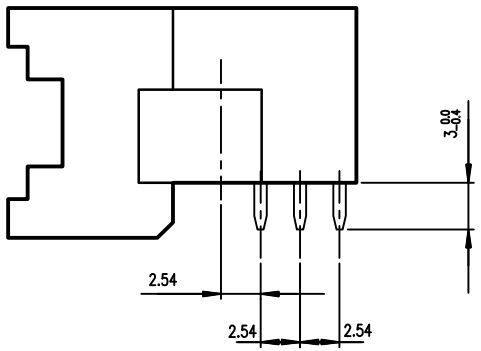
DIMENSIONS



P.C. CARD DRILLING



TERMINATION



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	400 matings unmatings according to DIN41640 teil 21
–Material insulator	Polycarbonate UL94V1
–Material contacts	Copper alloy
–Finishing contact surface	Gold over nickel
–Finishing termination	Lead–Free
–Schock	≤30mΩ according to DIN 41640 Teil 14 test 6c
–Vibration	10–500Hz/5g according to DIN 41640 Teil 15

ENVIRONMENTAL DATA

–Climatic category	According to DIN 41612 – class 2
–Corrosion	According to DIN 41612 – class 2

PERFORMANCES AS PER DIN 41612 STYLE F CLASS 2

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
51590094863541111LF

rev	ecn no	dr	date
A	–	DET	1993/12/22
B	–	LGO	2005/12/13
C	LS06–0022	LGO	2006/01/26
D	LS06–0095	LGO	2006/07/28
E	LS07–0288	LGO	2007/11/12
F	F10–0214	APA	2010/10/01
G	F12–0053	APA	2012/05/07

Dr	ETIEMBRE	1993/12/22
Eng	GOISNARD	1993/12/22
Chr	LEGARE	1993/12/22
Appr	LEGARE	1993/12/22

www.fciconnect.com
surface ISO 1302 | tolerance std ISO 406 ISO 1101
TOLERANCES UNLESS OTHERWISE SPECIFIED
ANGULAR 0.XX ±2° | LINEAR 0.X ±0.1 | 0.XX ±0.1 | 0.XXX ±0.1
Product family DIN
projection | European Views | mm
size A3 | Scale 1.5
ECN F12–0053
Spec ref –

title: MALE CONNECTOR 3 ROWS
48 CONTACTS, STYLE F
catalog no –
dwg no C01–5159–0005 | Rev. G
CUSTOMER | sheet 1 of 1

REV F – 2006–04–17

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