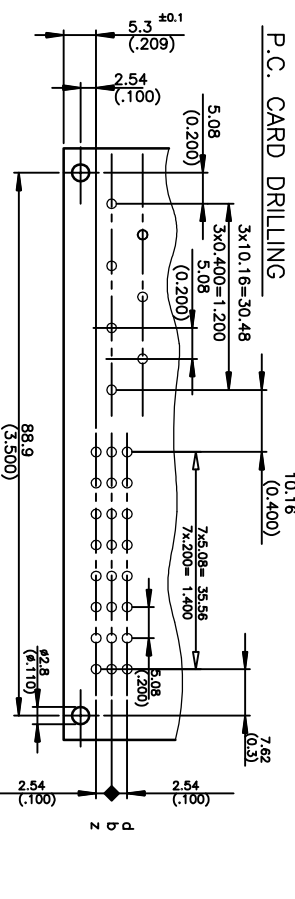
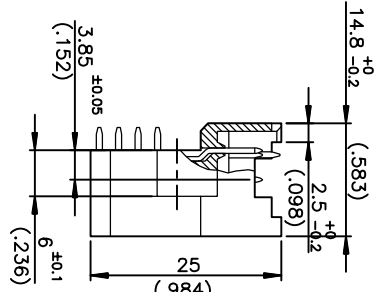


TERMINATION

LEAD-FREE PART-NUMBER	5159	002	3	2	3	4	1	1	1	1	1
MIXED STYLE F24/H7											
NUMBER OF CONTACTS											
TERMINATION											
2x angled splices 4 row + 7 fasten											
PERFORMANCE CLASS											
DIN 41612 class 2											
DIN 41612 class 1											
CONTACT TERMINATION											
Angled splices 2.54 X 5.08											
LEAD-FREE											

REV	CON NO	DR	DATE
A	-	-	-
B	-	-	-
C	LS05-0115	-	2005/12/13
D	LS05-0116	LEGARE	2006/02/21
E	LS06-0097	LEGARE	2006/02/28
F	LS07-0288	LEGARE	2007/11/19
G	F10-0214	APA	2010/10/01



P.C. CARD DRILLING

www.fciconnect.com		Dr	IMPRESSON	2006/02/21	ANGULAR	tolerance std	projection	mm
		Eng	IMPRESSON	2006/02/21	LINEAR	ISO 406 ISO 1101	A3	Scale
		Chr	LEGARE	2006/02/21	0.0XX ±0.2	0.0XX	±0.1	1.5
		Appr	LEGARE	2006/02/21	Product family	DIN POWER 5159	Spec ref	Rev.
		PLUGS-MEDIUM HIGH POWER		MIXED STYLE F24/H7		C01-5159-0041		G
		FCI		CUSTOMER		sheet 1 of 1		

ELECTRICAL DATA

- Current at AIB: 51.5 A at 20° / 4 A at 70°
- Contact resistance: 215mΩ according to DIN 41640 Teil 4 test 2a
- Insulation resistance: 10 MΩ according to DIN 41640 Teil 7 test 3a according to DIN 41640 Teil 21
- TEST VOLTAGE: 1550V eff
- contact/contact: 1550V eff
- contact/ground: 1550V eff

MECHANICAL DATA

- Insertion force: 260N
- 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 U9490
- Material contacts: Copper alloy
- Medium power contact: Gold over nickel on contact area. lead-free on termination. Silver over nickel on active and on termination area
- High power contact:

ENVIRONMENTAL DATA

- Shock: 240m² 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
- Climate category: According to DIN 41612
- Corrosion: According to DIN 41612

NOTE REHS INFORMATION

- The "U" products meet European Union Directives and other country regulations as described in GS-ZE-908.
- The housing will withstand exposure to 260°C peak temperature for 3.5 seconds in a wave solder application with a 10 mm minimum lead stick length.
- The contact will be coated with a 100nm thickness of Au/Ni/Pd. It is recommended to use high temperature adhesive or metallic devices to protect the sensitive plastic part in contact with of the solder wave, to avoid any visual plastic deformation.