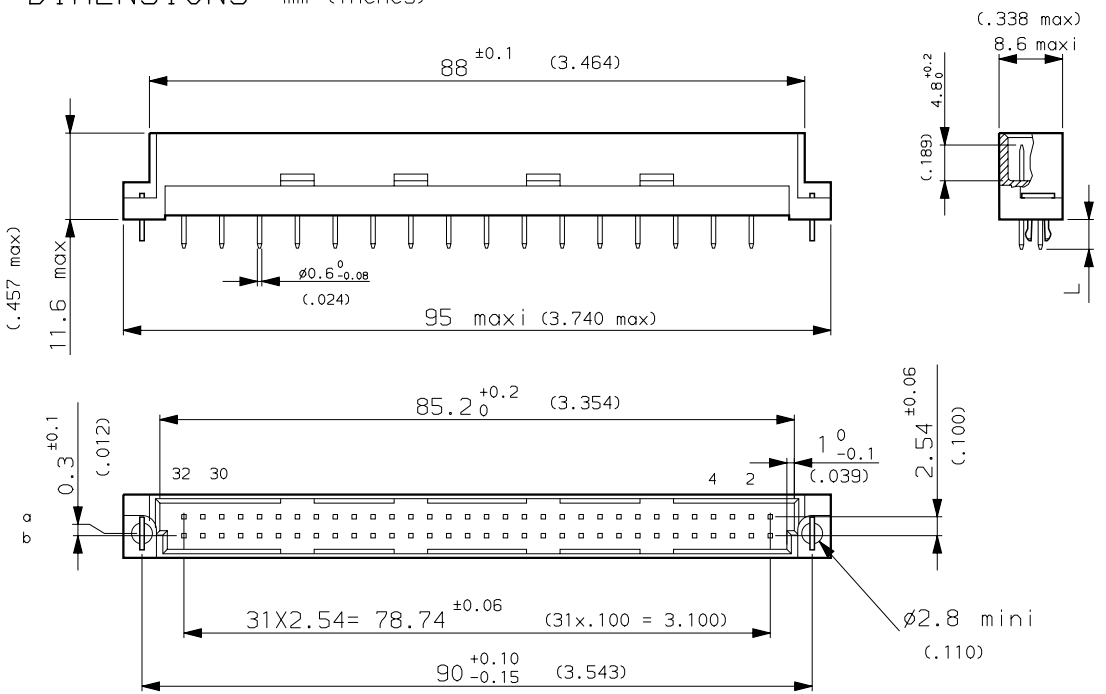
DIMENSIONS mm (inches)



ELECTRICAL DATA

-Current at AMB.	1.5 A at 20° C / 1 A at 70° C
-I max	2A
-Contact resistance	≤20mΩ according to DIN 41640 Teil 4 test 2a
-Insulation resistance	$\geq 10^6$MΩ according to DIN 41640 teil 7 test 3a
-TEST VOLTAGE	according to DIN 41640 teil 21
contact/contact	1000V eff (0.5 mA / 50 Hz)
contact/ground	1550V eff (0.5 mA / 50 Hz)

MECHANICAL DATA

-Retention force		≥20N (4.5 lb) per contact
-Insertion force		32 Cts : ≤30N (6.8 lb) / 16 Cts : ≤15N (3.4 lb)
-Withdrawal force		32 Cts : ≥5N (1.15 lb)/ 16 Cts : ≥2.5N (0.56 lb)
-Mechanical endurance	class 1	500 matings unmatings according to DIN41640 teil 21
	class 2	400 " " "
	class 3	50 " " "
-Material insulator		Polyester thermoplastic UL94V0
-Material contacts		Brass
-Finishing contact surface		Gold over Nickel
-Finishing termination		Tin Lead
-Material and plating harpoon		Phosphor bronze - Tin Lead
-Solderability		according to DIN 41640 teil 70 test 12a
-Shock		≤40mα 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 " "

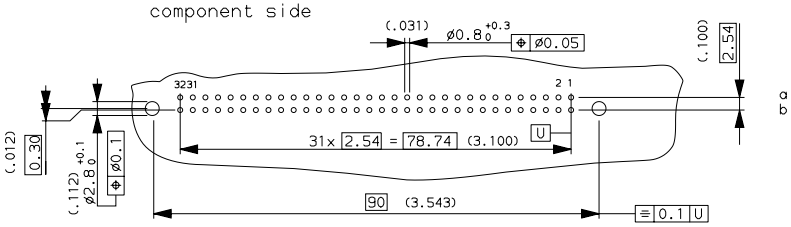
ENVIRONMENTAL DATA

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

PERFORMANCES AS PER DIN 41612

PCB DRILLING

component side



PART NUMBER	8609-□ □-58-□-□ □ 8-000-E1
PIN OUT row a rows a-b	1 – 16 2 – 32
NUMBER OF CONTACTS	
TERMINATION L = 2.70 ±0.25 (.106) L = 4.65 ±0.25 (.183)	24 14
OPTIONS no option with harpoons for PCB thickness 1.6 mm for PCB thickness 2.4 mm for PCB thickness 3.2 mm	7 H A R
PERFORMANCE CLASS DIN 41612 class 3 DIN 41612 class 2 DIN 41612 class 1	4 5 6

ISS	DATE		MOD N°
a	27/10/97	-- creation	--
Designed by: ROUILLARD	date 27/10/97	Type of drawing: CLIENT	

TITLE : STRAIGHT MALE - STYLE Q SOLDER TO BOARD

SHEET 1/1

SCALE: 1.5

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FORMAT	SOURIAU DRG N°	PROJECT
A3	C-8609-0638	D90D001

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