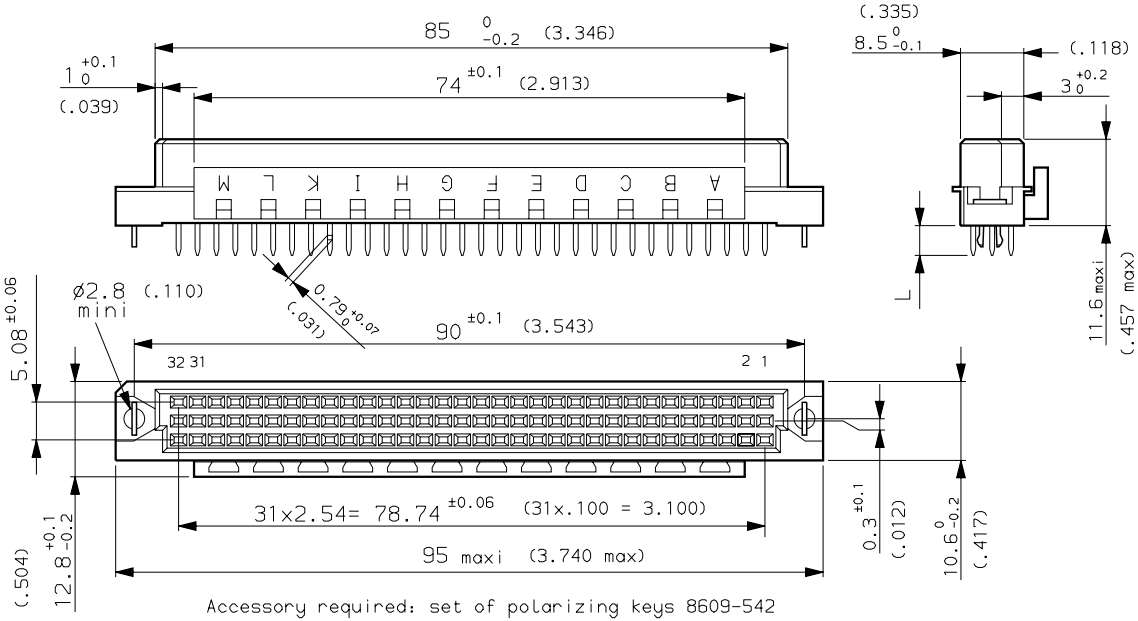
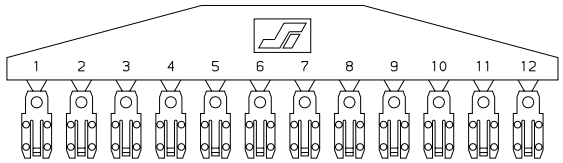
DIMENSIONS mm (inches)



Accessory required: set of polarizing keys 8609-542



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	≥10^6MΩ 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		96 Cts : ≤90N (20.35 lb)/ 64 Cts : ≤60N (13.55 lb)
-Withdrawal force		96 Cts : ≥15N (3.4 lb)/ 64 Cts : ≥9N (2.05 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		Phosphor Bronze
-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		≤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 " "

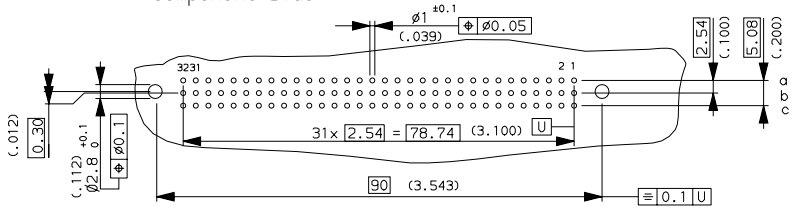
ENVIRONMENTAL DATA

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

PERFORMANCES AS PER DIN 41612

PCB DRILLING

component side



PART NUMBER	8609-□ □-81-□-□ □ 5-000-E2
PIN OUT	
rows a-b-c	3 — 96
rows a-c	4 — 64
NUMBER OF CONTACTS	
TERMINATION	
L = 2.75 ±0.25 (.108)	24
L = 4.25 ±0.25 (.167)	14
OPTIONS	
no option	CKEY
with harpoons	
— for PCB thickness 1.6 mm	
— for PCB thickness 2.4 mm	
— for PCB thickness 3.2 mm	
PERFORMANCE CLASS	
DIN 41612 class 3	4
DIN 41612 class 2	5
DIN 41612 class 1	6

ISS	DATE	Latest modification by : ROUILLARD	MOD N°
c	14/02/96	-- modification termination : section ø0.65 replace by diag. 0.79	--

Designed by: ROUILLARD date 02/07/92 Type of drawing: CLIENT

TITLE : STRAIGHT FEMALE - STYLE C SOLDER TO BOARD WITH KEYING

SHEET 1/1

SCALE: 1.5

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