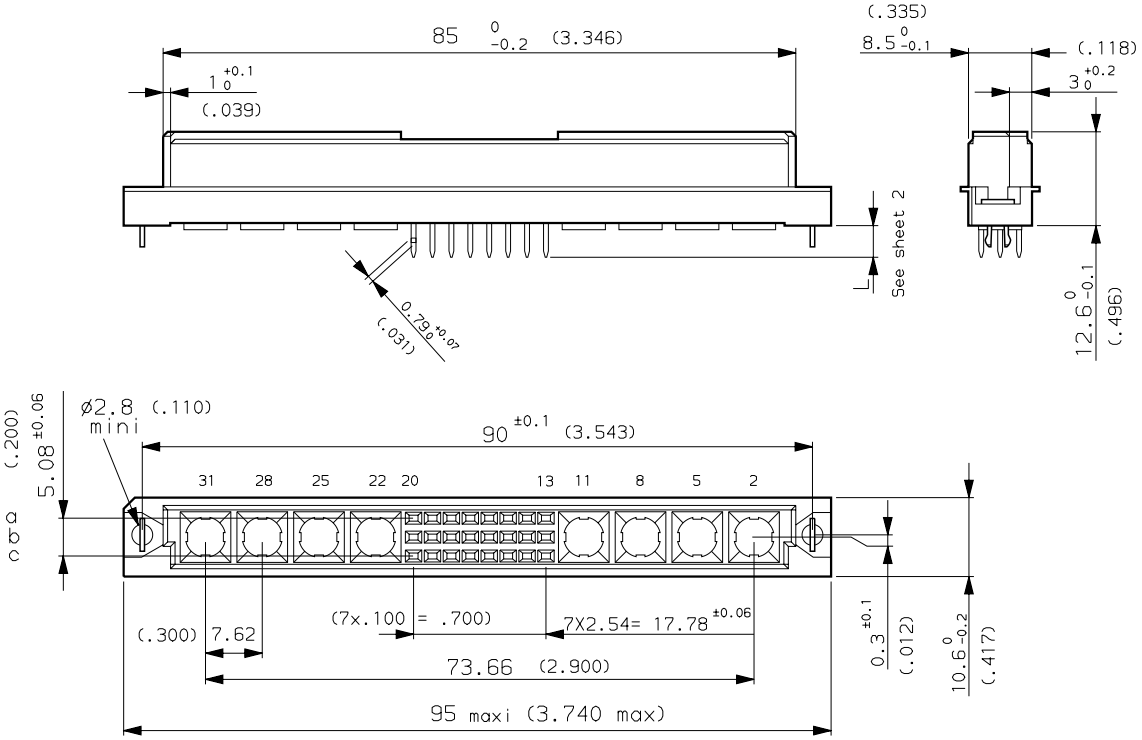
DIMENSIONS mm (inches)



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	≥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		24 Cts : ≤23N (5.2 lb) / 16 Cts : ≤15N (3.4 lb)
-Withdrawal force		24 Cts : ≥3.5N (0.8 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		Phosphor Bronze
-Finishing contact surface		Gold over Nickel
-Finishing termination		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

Pull part

8609 324 H1 14 755 000 E2	Style M receptacle, 24 Position, solder to board, class 2

Application specific part-numbers: See sheet 2

ISS	DATE	Latest modification by : ROUILLARD	MOD N°
b	30/08/02	New customer drawing version according to Flash Service Update.	--

Designed by: ROUILLARD date: 14/02/96 Type of drawing: CLIENT

TITLE : STRAIGHT RECEPTACLE - STYLE M SOLDER TO BOARD

SHEET 1/2

SCALE: 1.5

FCI FRAMATOME GROUP

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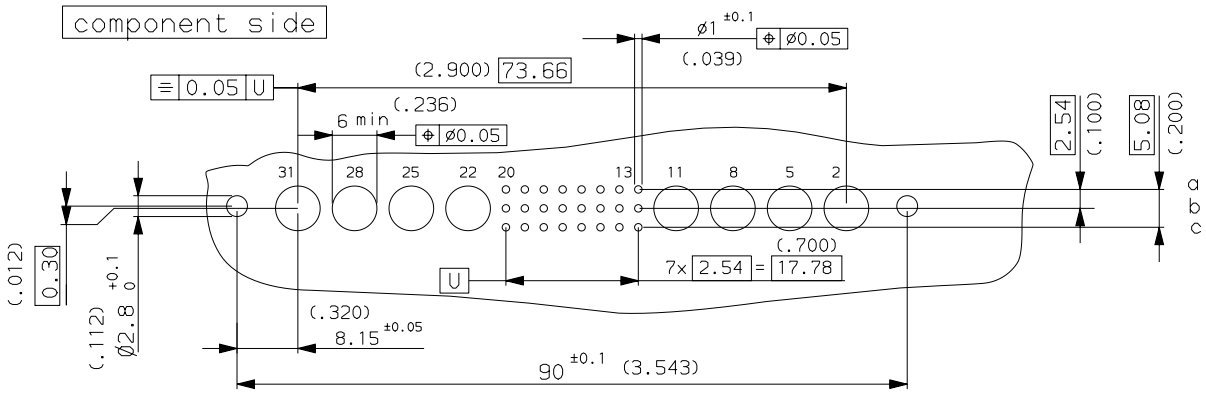
FORMAT	DRG N°	PROJECT
A3	C-8609-0501-1	D90D001

PART NUMBER	8609-□□-H1-□□□5-000-E2
PIN OUT	
rows a-b-c	3 – 24
rows a-c	4 – 16
NUMBER OF CONTACTS	
TERMINATION	
L = 2.75 ±0.25 (.108)	24
L = 4.25 ±0.25 (.167)	14
OPTIONS	
no option	7
with harpoons – for PCB thickness 1.6 mm	H
with harpoons – for PCB thickness 2.4 mm	A
with harpoons – for PCB thickness 3.2 mm	R
PERFORMANCE CLASS	
DIN 41612 class 3	4
DIN 41612 class 2	5
DIN 41612 class 1	6

PCB LAYOUT



ISS	DATE		MOD N°
b	30/08/02	New customer drawing version according to Flash Service Update.	--

Latest modification by : ROUILLARD

Designed by: ROUILLARD date: 14/02/96 Type of drawing: CLIENT

TITLE : STRAIGHT RECEPTACLE - STYLE M SOLDER TO BOARD

SHEET 2/2

SCALE: 1.5

FCI ELECTRONICS

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FORMAT	DRG N°	PROJECT
A3	C-8609-0501-2	D90D001