

R93 series electrical connector

Product Introduction

- Comply with GJB1438/5
- Hyperboloid wire spring socket
- 2.54 standard grid gap
- Refer to the design of IEC-603-2 and DIN41612
- Termination form: PCB dip soldering, soldering, wire wrap etc.
- Anti-mis-mating coding accessory design
- Execution enterprise standard: 21E0.204.014JT

Main technical performance

- Voltage rating: 300V, withstand voltage: 1000V
- Insulation resistance: normal temperature $\geq 5000M\Omega$, damp& heat $\geq 1000M\Omega$
- Contacts diameter: $\Phi 0.76$ mm
- Contact resistance: $\leq 0.01\Omega$
- Current rating: 2A
- Operating temperature: $-65^{\circ}C \sim +125^{\circ}C$
- Relative humidity (RH): $40 \pm 2^{\circ}C$, 95%
- Vibration: frequency 10~2000Hz, acceleration $147m/s^2$
- Shock: acceleration $980m/s^2$
- Endurance: 1000 cycles

Model marks and its meaning

No.	Classify Characteristics	Classify contents	Mark
1	Basic series	straight mating coupling	R93
		guide pin, guide bushing identification	R93C
		locking after connection of plug and receptacle	R93U
2	Termination form	wire soldering	H
		PCB dip soldering straight	B
		PCB dip soldering straight (long terminal)	BC
		PCB dip soldering elbow	BW
		wire wrap	R
		wire wrap (long terminal)	RC
3	Number of contact	32、48、64、96	marked number
4	Structural format	Receptacle (only installed with socket)	Z
		Plug (only installed with pin)	T
5	Modification product	-01, -02.....	marked number

Modification explanation

- “- 01” means no contact in b row
- “- 02” means no contact in odd number cavity
- “- 03” means no contact in b row and odd number in row a, c
- “- 04” means no contact in b row and even number in row a, c

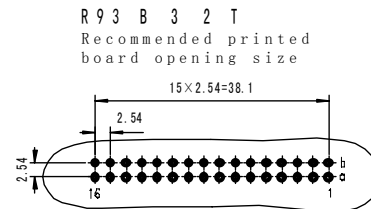
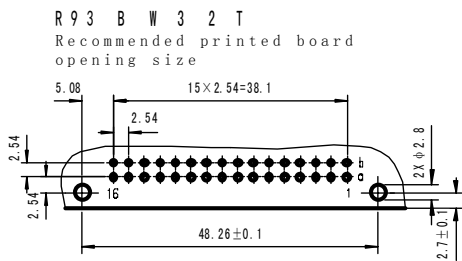
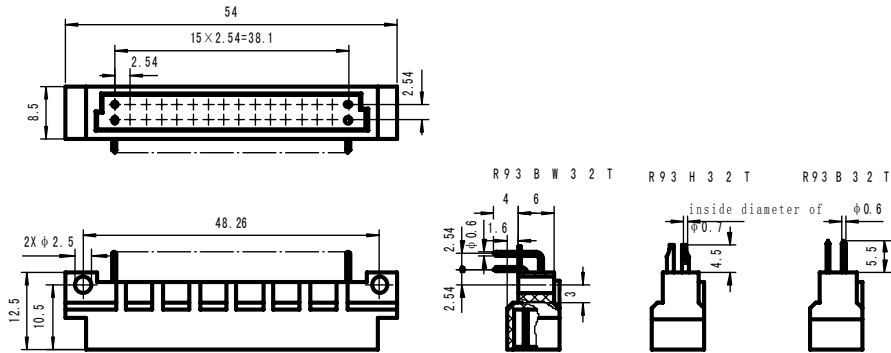
Model mark demonstration

R93 series 96 cores electrical connector, plug installed with pin, PCB dip soldering elbow termination form, type of plug: R93BW96T; receptacle installed with socket, long terminal wire wrap termination form, type of receptacle: MDM30RC96Z; and the type of 96 cores electrical connector: R93RC96Z/R93BW96T, short for R93RC96Z/BW96T.

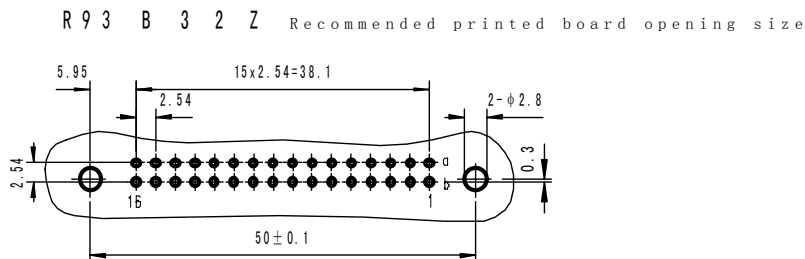
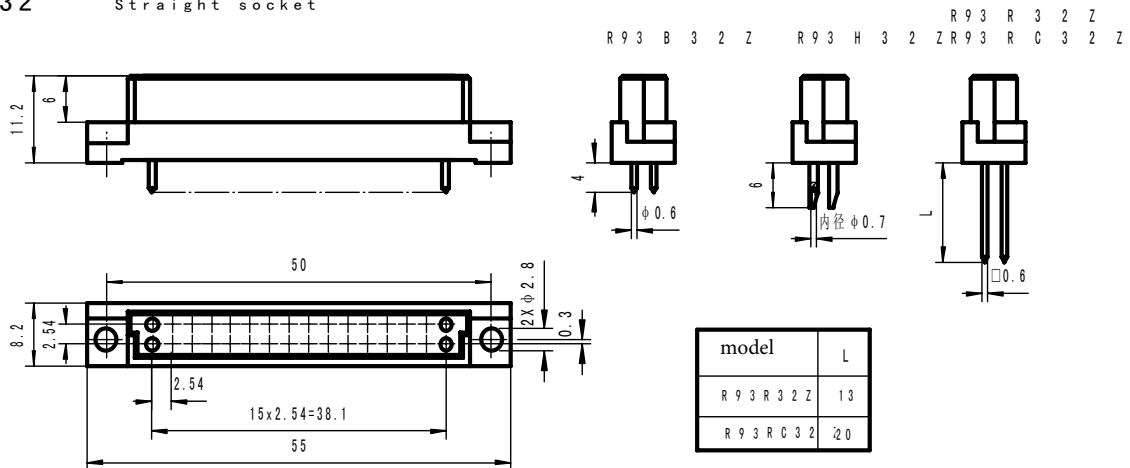
Outline and installation dimensions

32core

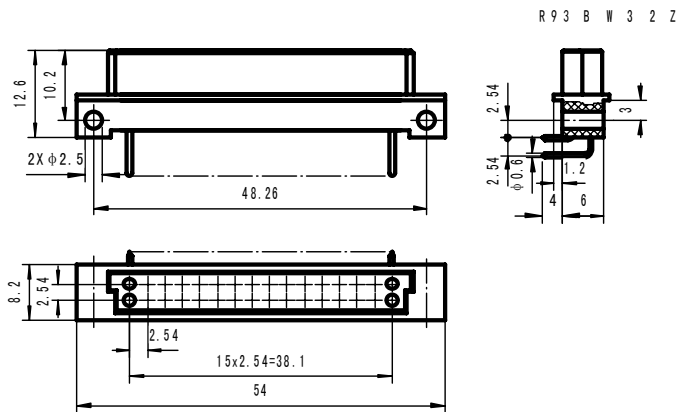
R93-32 plug



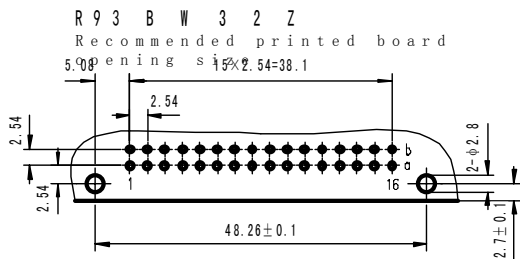
R93-32 Straight socket



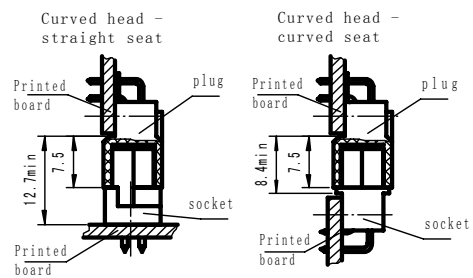
R93-32 Curved socket



R93 B W 3 2 Z

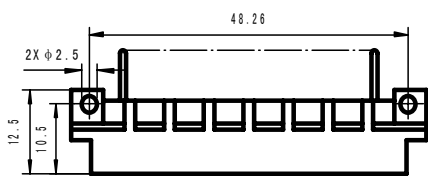
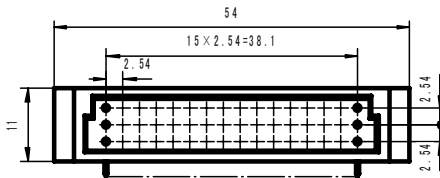


Plug and socket after plugging

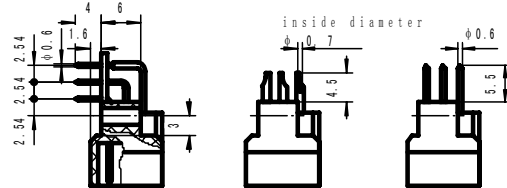


48core

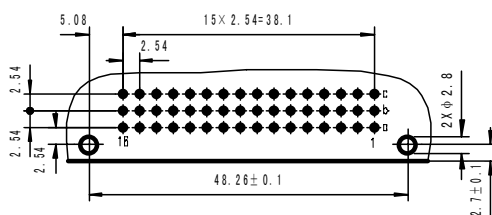
R93-48p plug



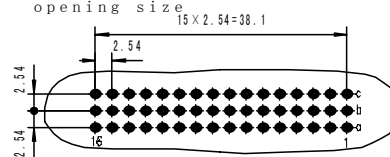
R93 B W 4 8 T R93 H 4 8 T R93 B 4 8 T



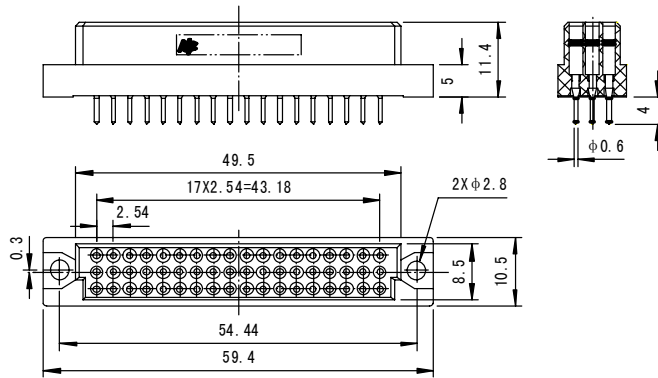
MDM30BW48T Recommended printed board opening size



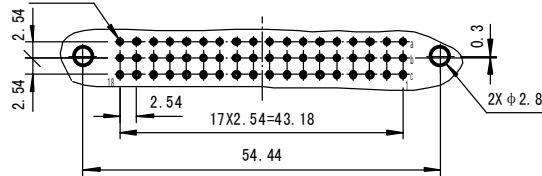
R93 B 4 8 T R Recommended printed board opening size



R93B54Z Straight socket

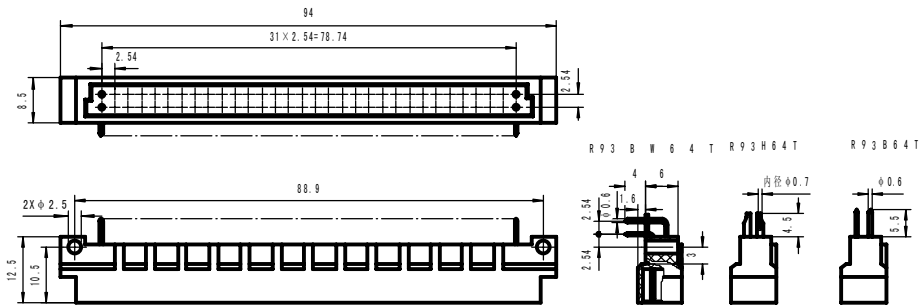


R 9 3 B 5 4 Z Recommended printed board opening size 54X $\phi 0.8$

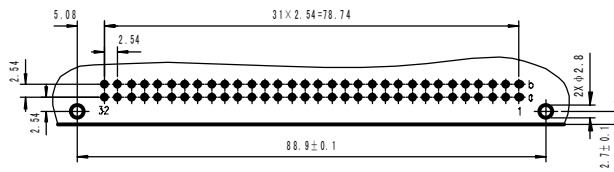


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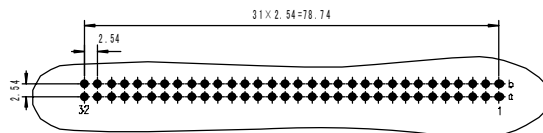
R93-64 plug



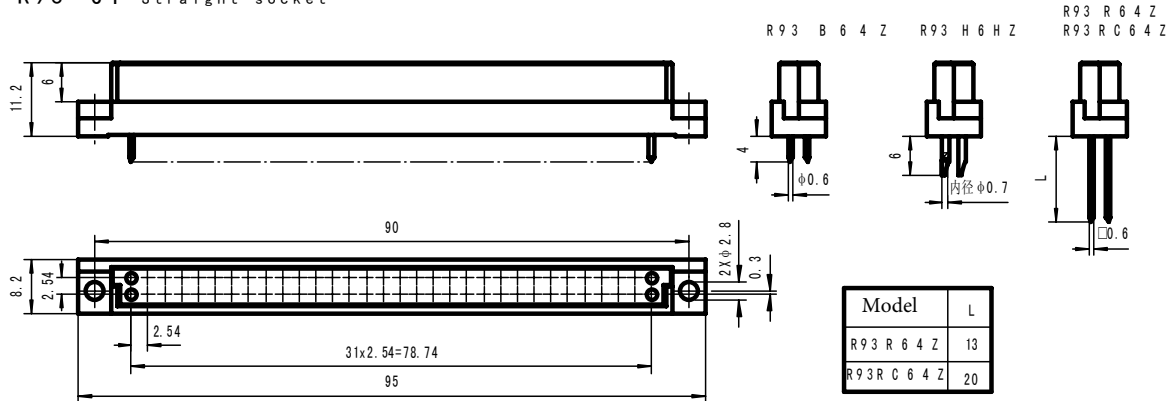
R 9 3 B W 6 4 T Recommended printed board opening size



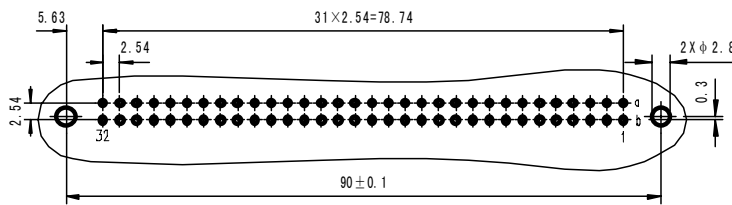
R 9 3 B 6 4 T Recommended printed board opening size



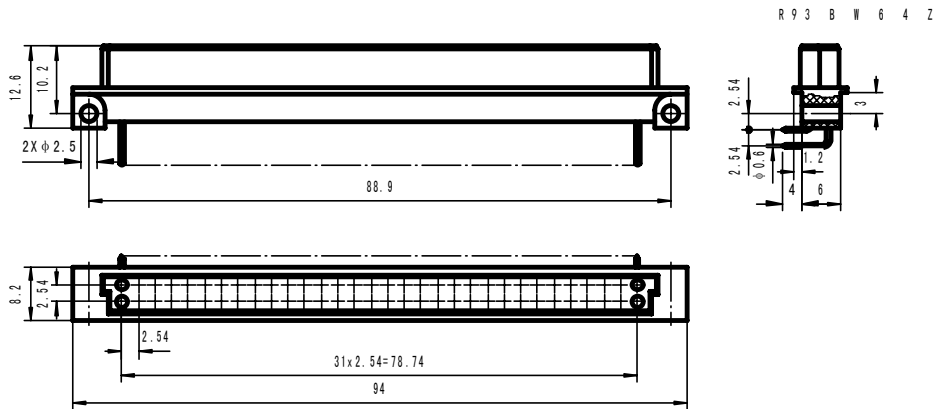
R93-64 Straight socket



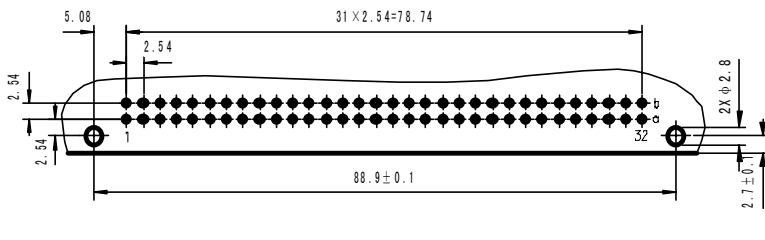
R93 B 6 4 Z Recommended printed board opening size



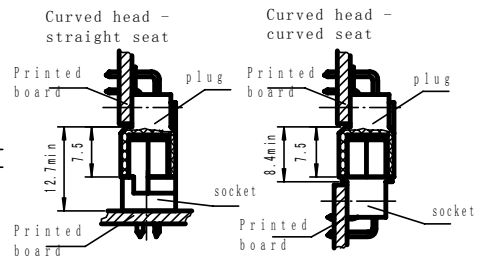
R93-64 Curved socket



R93 B W 6 4 Z Recommended printed board opening size



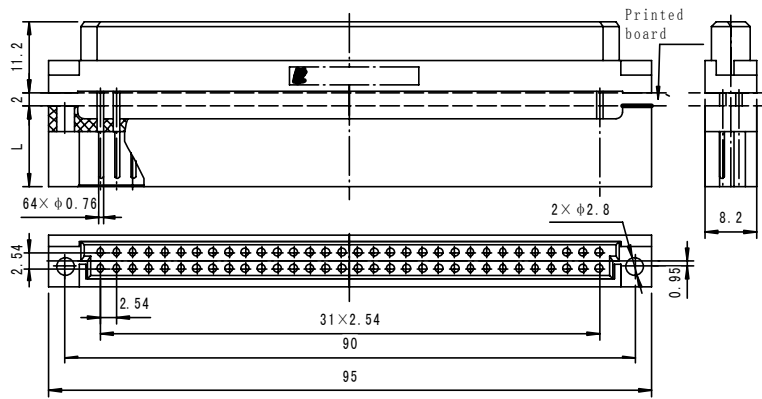
Recommended printed board opening size



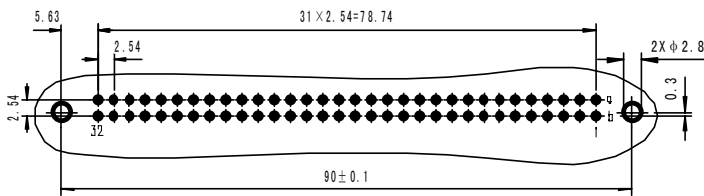


Wall socket

R93B 64L Z、R93B64 LZ0 1



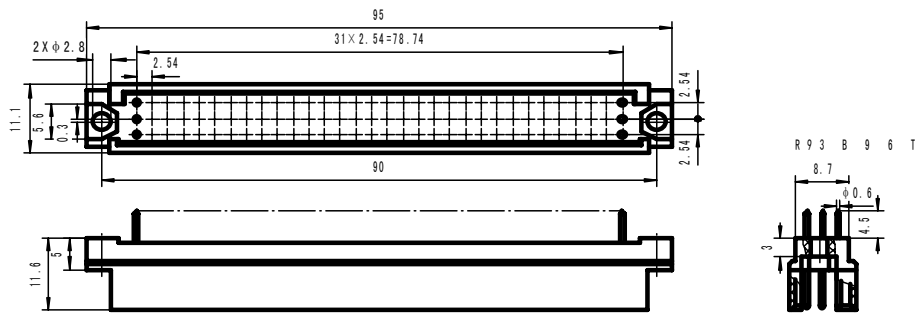
R93 B 6 4 L Z 、R93 B 6 4 L Z Recommended board opening



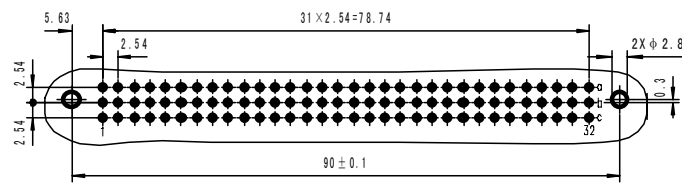
Model	L
R93 B 6 4 L Z	9.2
R93 B 6 4 L Z	12.2

96 Core

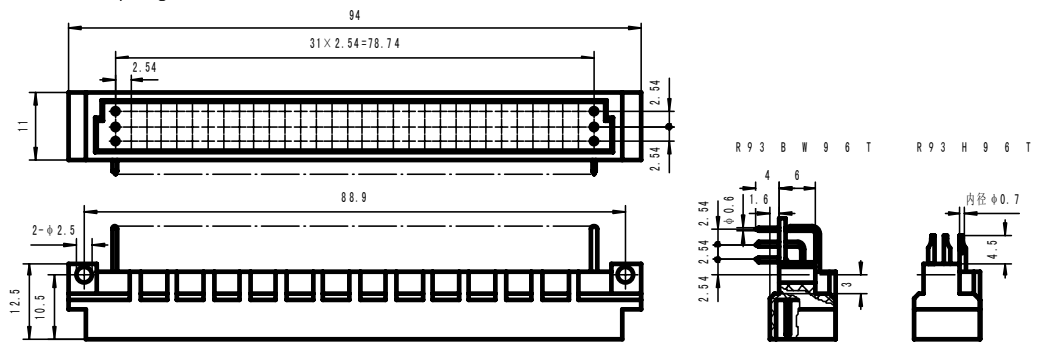
R93-96 Straight plug



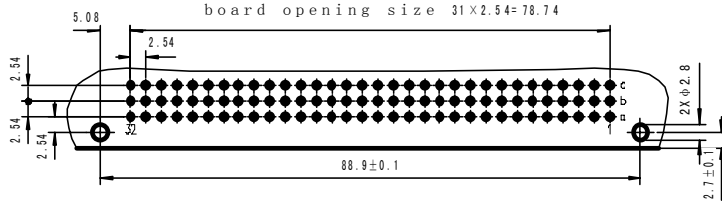
R93 B 9 6 T Recommended printed board opening size



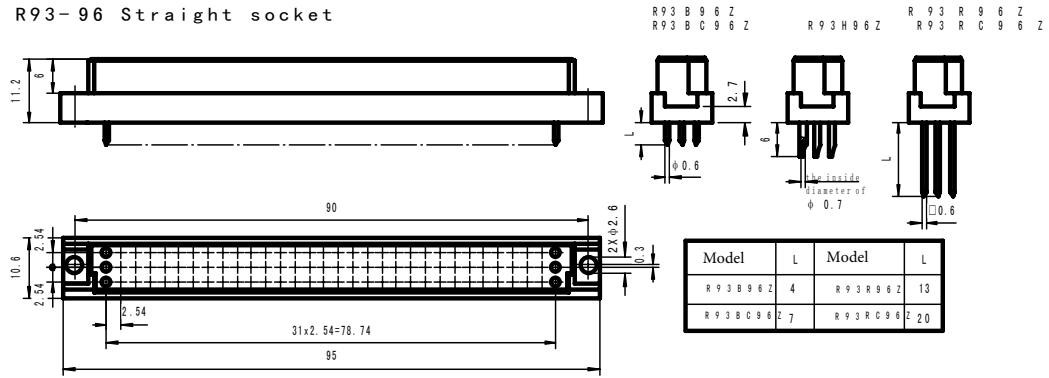
R93-96 Bent plug



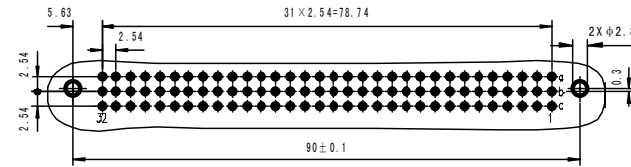
R93 B W 9 6 T Recommended printed board opening size $31 \times 2.54 = 78.74$



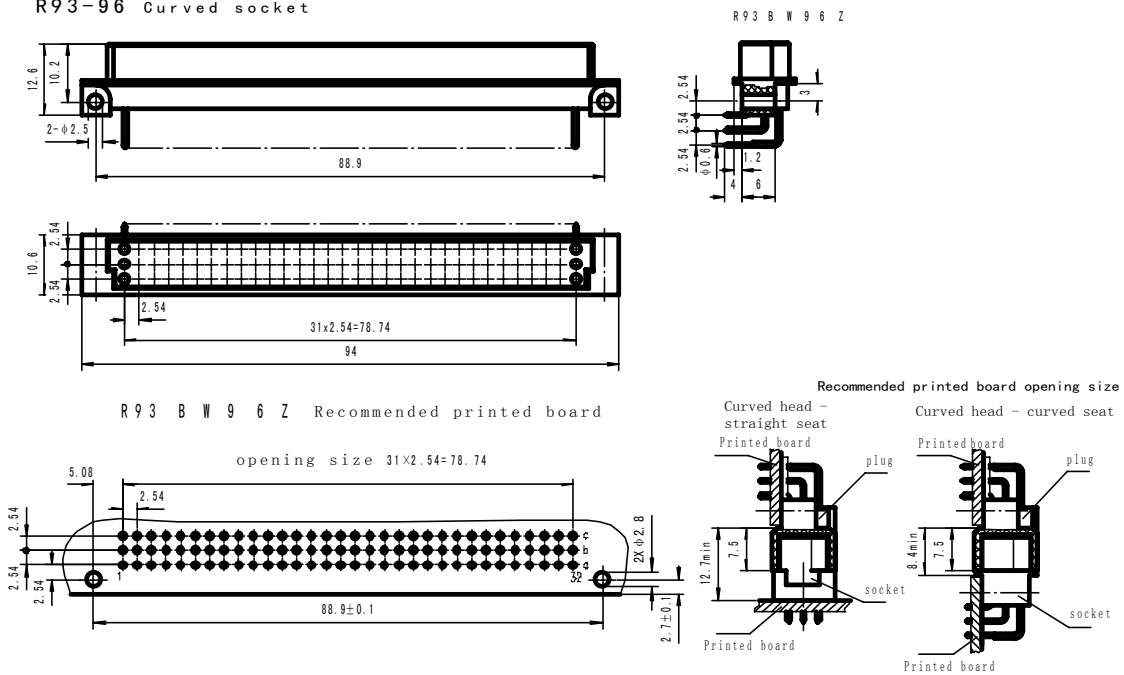
R93-96 Straight socket



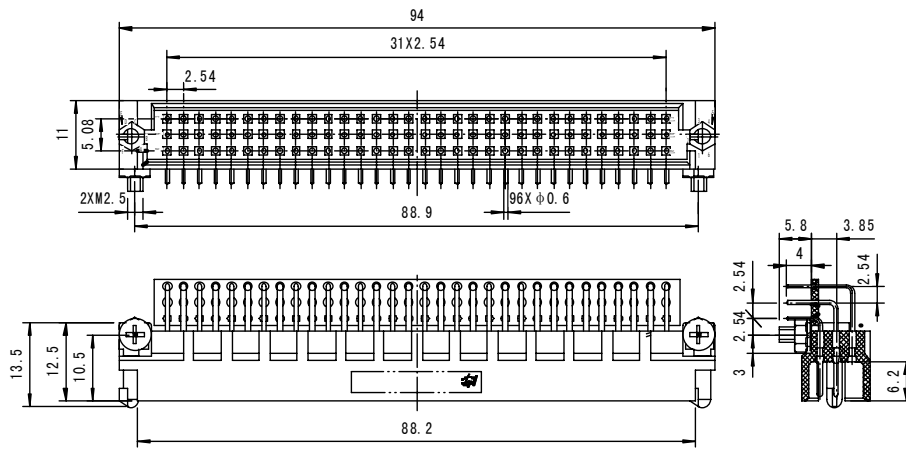
R93 B 9 6 Z Recommended printed board opening size



R93-96 Curved socket

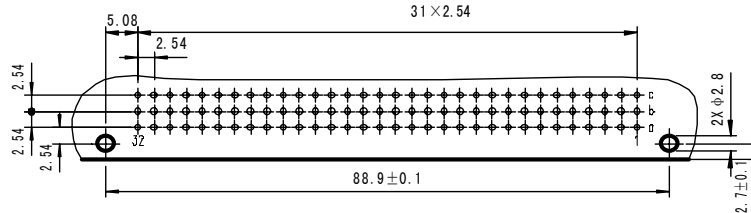


plug R93ABW96T

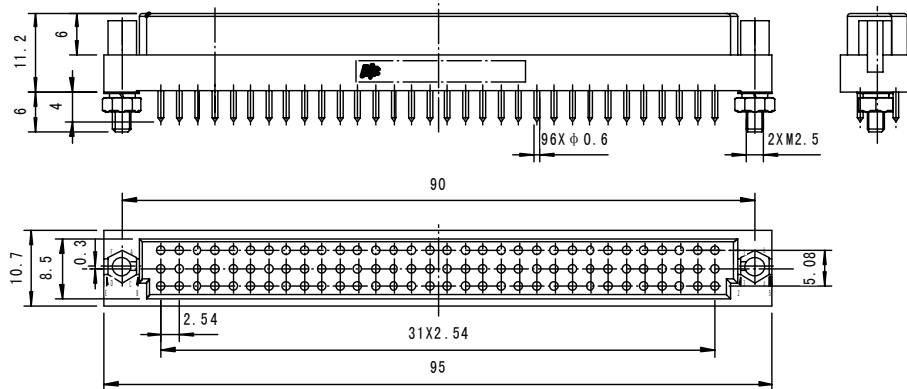


R 9 3 A B W 9 6 T

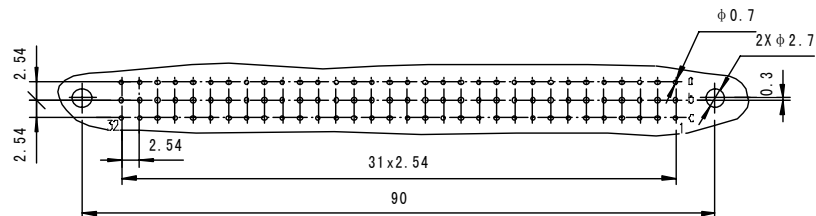
Recommended printed board opening size



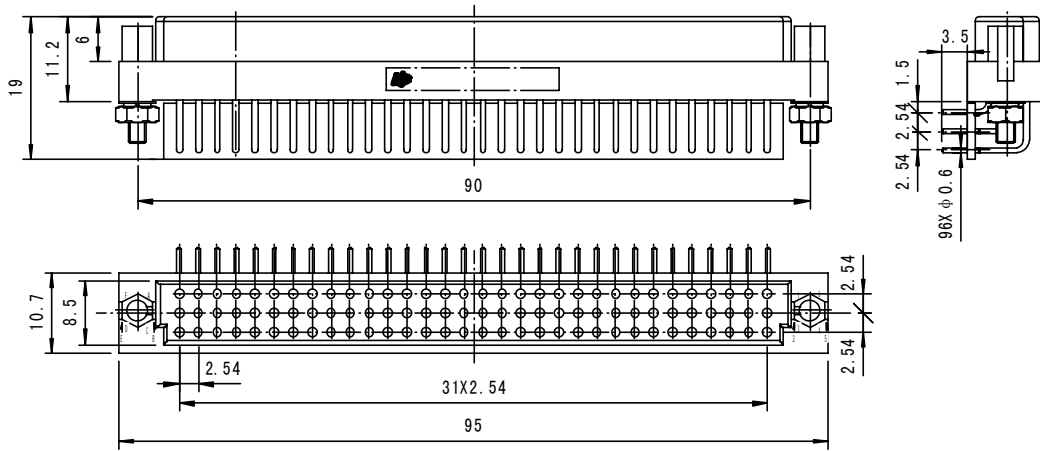
socket R93AB96Z



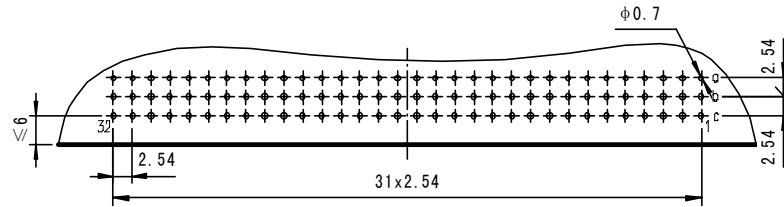
R 9 3 A B 9 6 Z Recommended printed board opening size



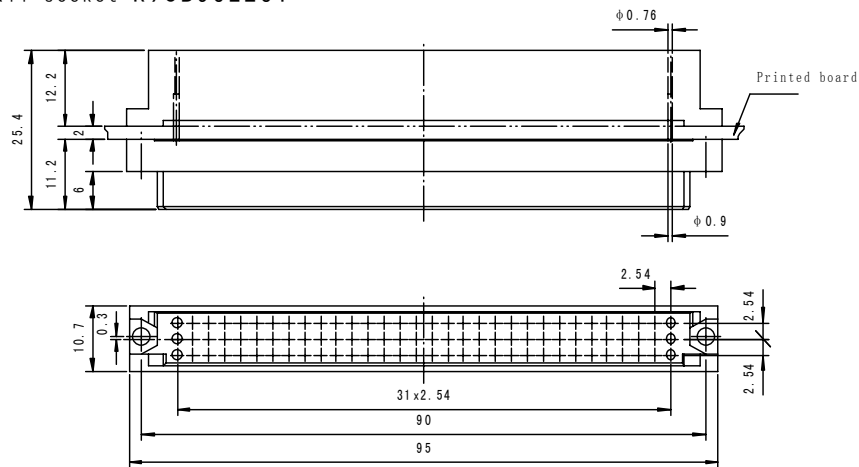
R93ABW9 6Z
socket



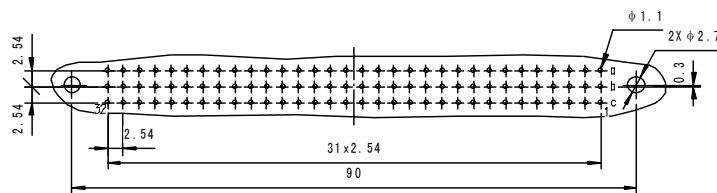
R 9 3 A B W 9 6Z Recommended printed board opening size



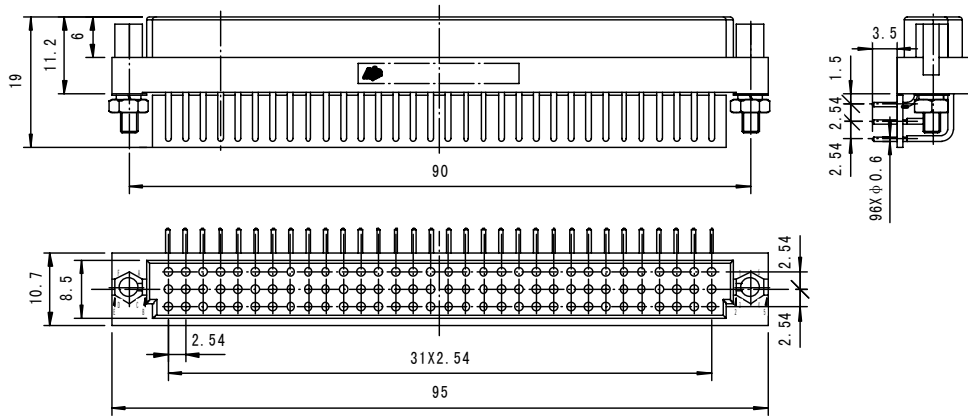
Wall socket R93B96LZ01



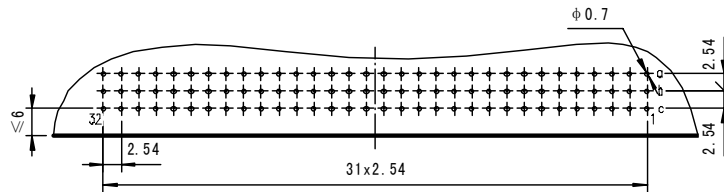
R 9 3 B 9 6 L Z 01 Recommended printed board opening size



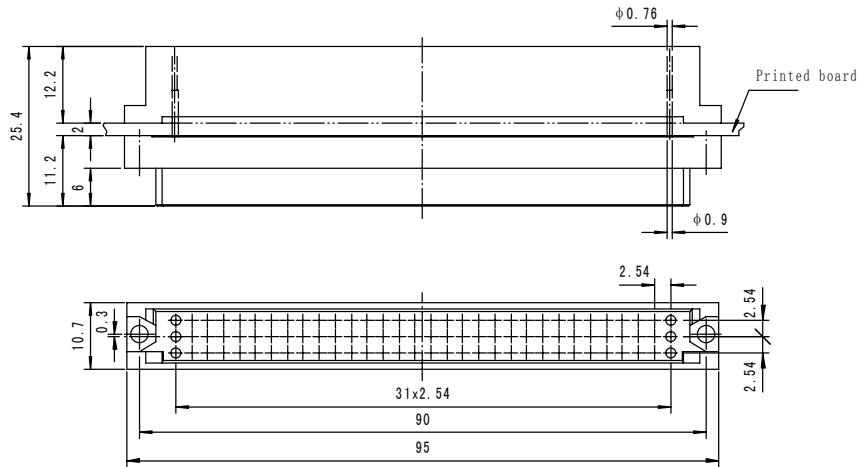
socket R93ABW96Z



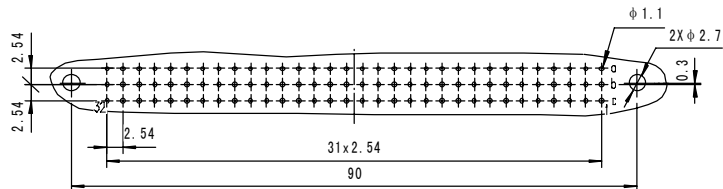
R 9 3 A B W 9 6 Z Recommended printed board opening size



Wall socket R93B96LZ01

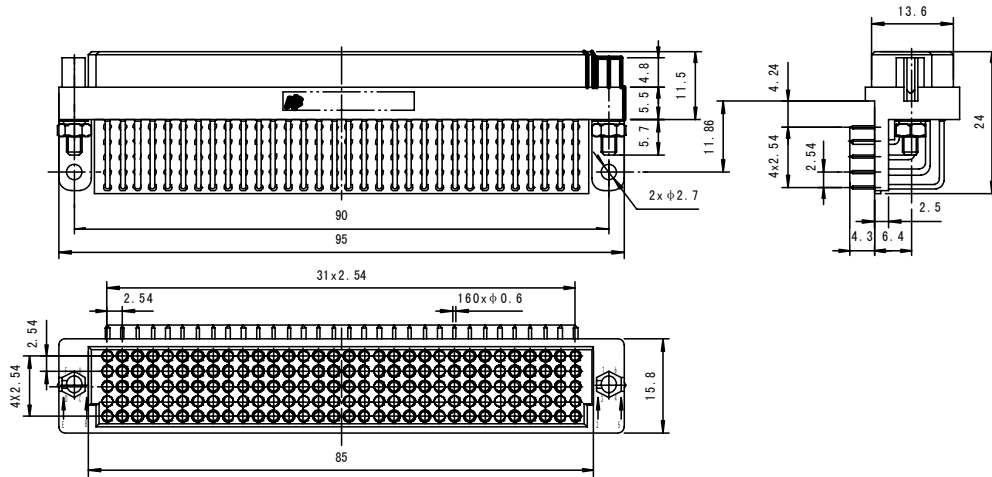


R 9 3 B 9 6 L Z 0 1 Recommended printed board opening size

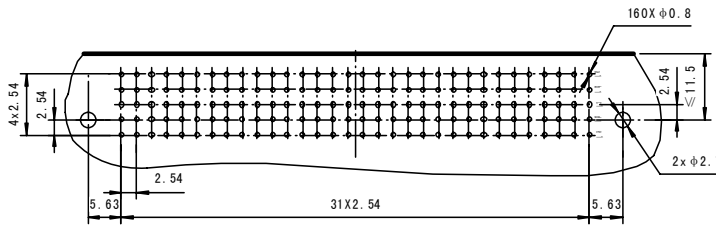




R93ABW160Z socket



R 9 3 A B W 1 6 Recommended printed board opening size





R93-96 Coded attachment

When multiple identical plugs and sockets are used simultaneously in one cabinet, in order to prevent these plugs that transmit different signals from being inserted incorrectly, R93-96 Product design with coding accessories, can be achieved $8 \times 8 = 64$ Kind of identification, as shown below:

Plug R93BW96T (or H type) with R93-96TFJ;

Socket R93B96Z (or H type, R type, RC type) with R93-96ZFJ.。

