

# DIN 41612 Vertical Plug Extended Type R Solder Type Connectors 120 Positions

**ROHS COMPLIANT**

## SPECIFICATION

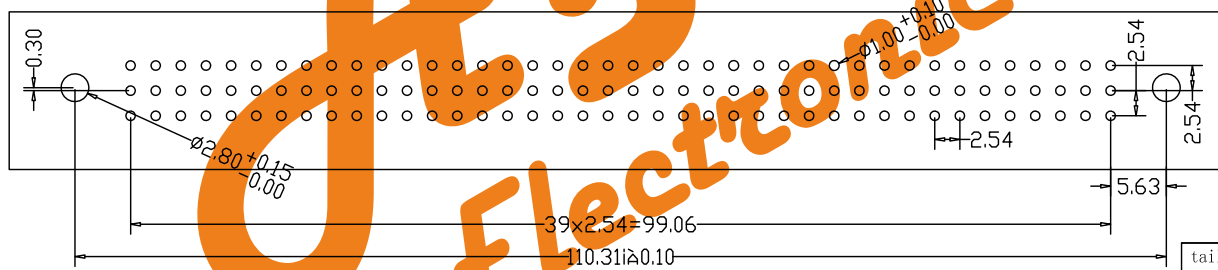
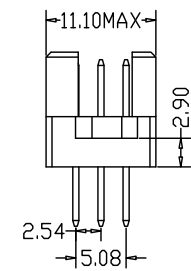
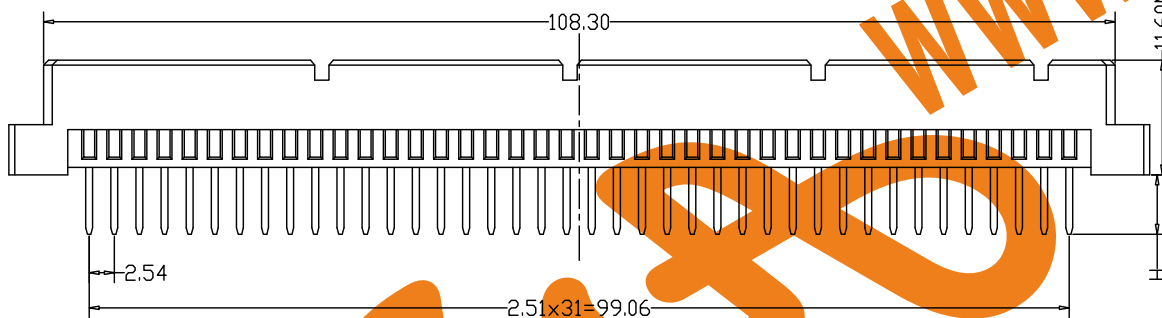
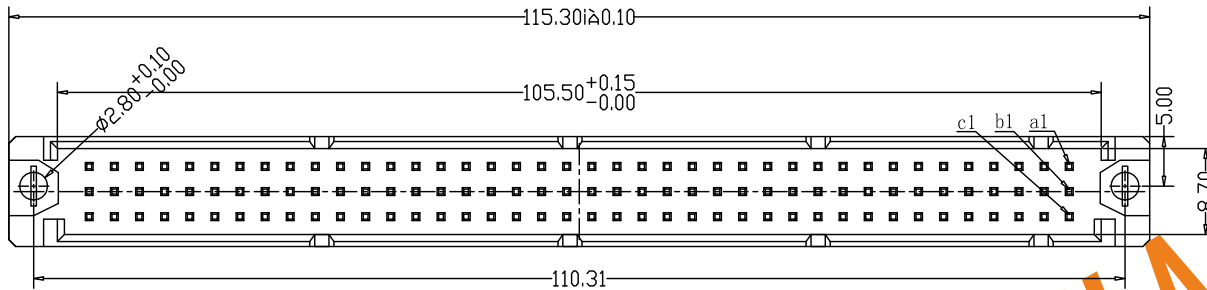
**Current Rating:** 2.0Amp  
**Insulation Resistance:** 100000MΩ min. at DC 100V  
**Contact Resistance:** 20MΩ max  
**Withstand Voltage:** AC 1000V For 1 Minute  
**Operating Temperature:** -55°C to +105°C  
**Contact Material:** Brass  
**Contact Plating:** Au or Sn Over Ni  
**Insulator Material:** PBT+30%GF UL 94V-0  
**Insertion Force:** 96 pin max.90N  
**Withdrawal Force:** 0.15N min.per individual contact

## Ordering Code:

DMS - XX - X - X - X -309

① ② ③ ④ ⑤

- ① Series No:
- ② No. of Contacts  
120P 80P 60p 40p
- ③ Termination  
A: Straight solder tail length H=2.5mm  
E: Straight solder tail length H=4.0mm  
M: Wrap post tail length H=13.0mm  
N: Wrap post tail length H=17.0mm
- ④ Rows Loaded With Contacts  
A: Row a C: Row a+b  
D: Row a+c F: Row a+b+c  
D1: Row a+c (2, 4, 6...) F1: Row a+b+c (2, 4, 6...)
- ⑤ Contact Plating  
G0: Gold flash  
S0: Gold flash/Ni  
G1: 3u" Gold  
S1: 3u" Gold/Ni  
G2: 5u" Gold  
S2: 5u" Gold/Ni  
G3: 10u" Gold  
S3: 10u" Gold/Ni  
G4: 15u" Gold  
S4: 15u" Gold/Ni  
G5: 30u" Gold  
S5: 30u" Gold/Ni  
SN: Tin



Recommended P.C.B. Layout

tail length	thickness * width
H=2.5mm	0.6*0.6
H=4.0mm	0.6*0.6
H=13.0mm	0.6*0.6
H=17.0mm	0.6*0.6

Unless Otherwise specified tolerance

X:±0.35  
 X.X:±0.25  
 X.XX:±0.20  
 X.XXX:±0.15

SCALE: As Shown  
 UNIT: mm



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					DRAWN: jnufon	TITLE: Vertical Plug Extended Type R Solder Type Connectors 120 Positions
					CHECKED: Yan	
		Add option of plating	10/8/1	APPROVED	DRAWING NO: DMS-XX-XXX-309	
REV		DESCRIPTION	DATE		PRODUCT NO: DMS-XX-XXX-309	