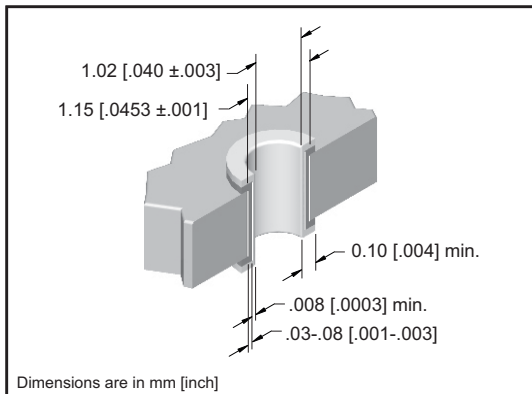


# Type Q, Q/2, Q/3 Vertical Male DIN

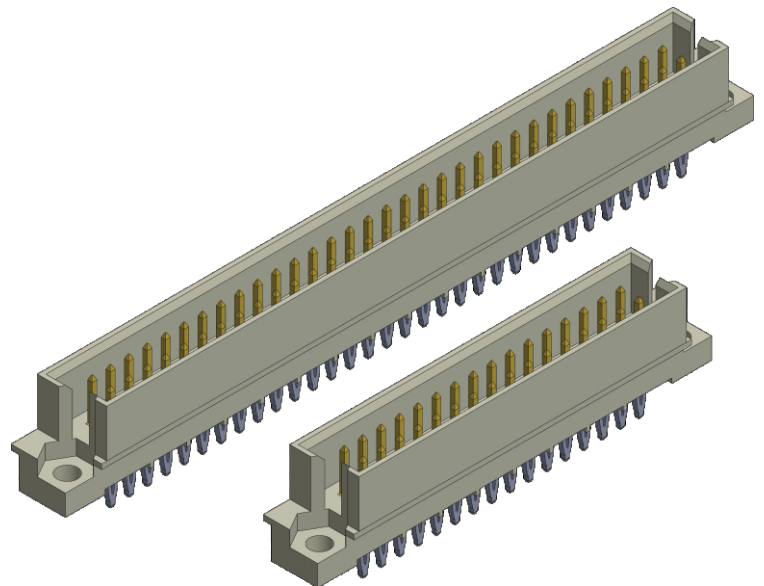


## DIN 41612 SPECIFICATION

Temperature Range	-55°C to +125°C		
Insulator Material	PBT 30% Glass Filled UL 94 V-0 Rated		
Contact Material:	Copper Alloy		
Contact Plating / Performance	Level 1	≥ 500 Mating Cycles	
	Level 2	≥ 400 Mating Cycles	
Per DIN 41612	Level 3	≥ 50 Mating Cycles	
Contact Resistance	≤ 20m Ω		
Insulation Resistance	≥ 10 <sup>12</sup> m Ω at 100 VDC		
Dielectric Strength	≤ 1000 VDC		
Current Range at Ambient Temp. Of	+20C	3.0 Amp	
	+70C	2.0 Amp	
	+100C	1.0 Amp	
Insertion Force (N)	20 contacts @ ≤18      32 contacts @ ≤30 30 contacts @ ≤28      64 contacts @ ≤60		
Withdrawal Forces Per Contact (N)	> .15		



DRILLED HOLE DIAMETER	PLATING THICKNESS	HOLE DIAMETER	PAD DIAMETER	INSERTION FORCE PER PIN	WITHDRAWAL FORCE PER PIN
1.15 [.0453]	Copper	After Plating .040±.003	1.65 [.065]	40 lbs. Max.	10 lbs. Min.
	Tin .008 [.0003]min.				



## APPROVALS



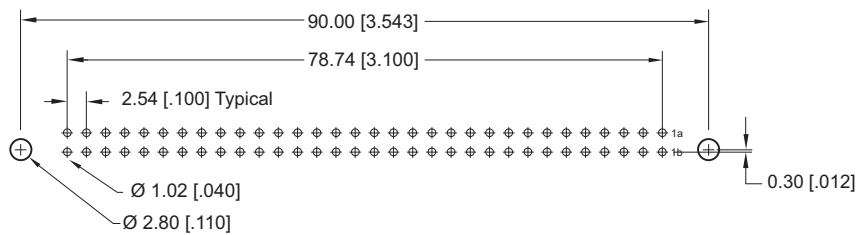
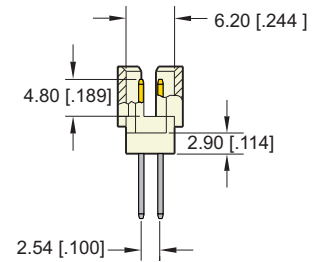
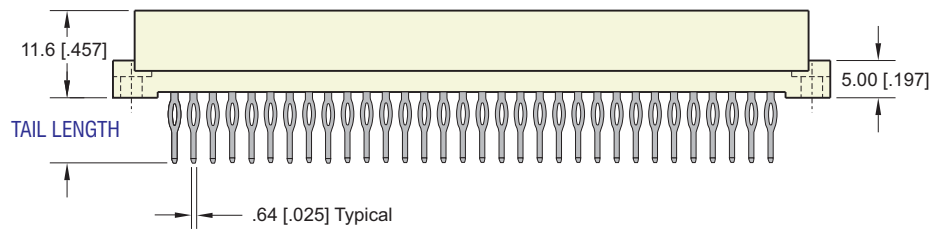
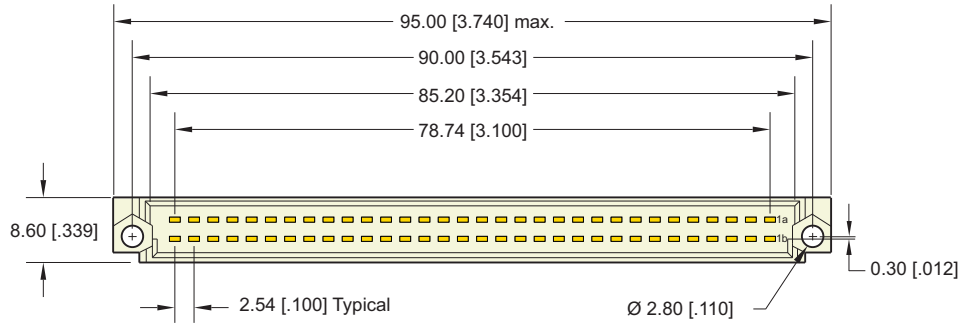
Recognized under the recognized component Program of Underwriters Laboratories, Inc.  
File Numbers: E176234

## IEC 60603-2 Standard

## Bellcore GR 1217 CORE

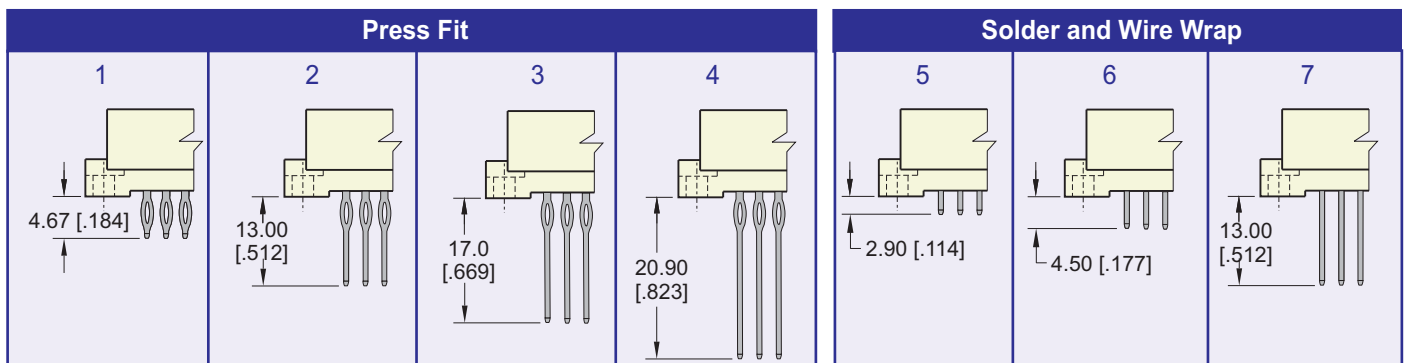
Connectors are available that meet the requirements of Bellcore GR 1217-CORE. Please consult factory for ordering information.

## Type Q, 64 Positions

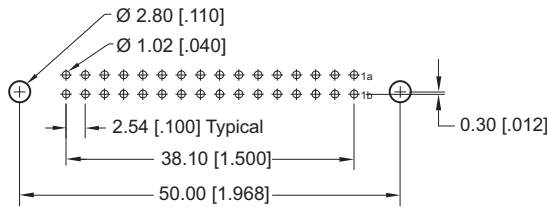
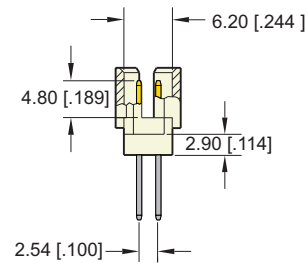
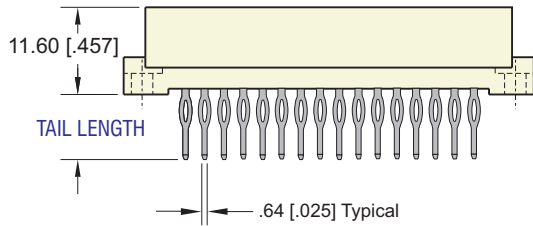
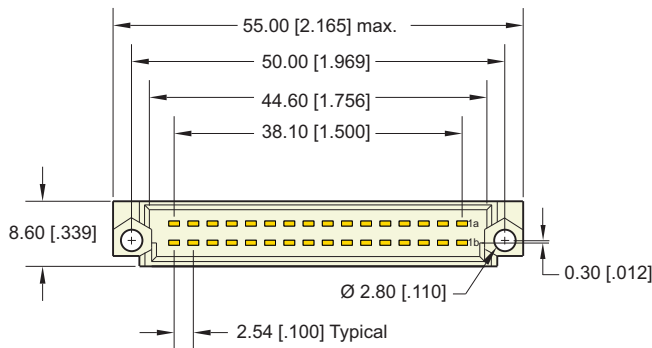


Recommended P. C. Board Layout

## TAIL LENGTH OPTIONS

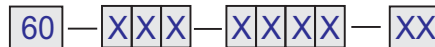


## Type Q/2, 32 Positions



Recommended P. C. Board Layout

## PART NUMBERING



### SERIES CODE

DIN 41612 Type Q, Q/2, Q/3 Male

### BODY STYLE

- 0 = Q/3 (20 positions) not shown
- 1 = Q/2 (32 positions)
- 2 = Q (64 positions)

### NUMBER OF CONTACTS

- 0 = 20
- 1 = 16
- 2 = 32
- 3 = 64

### CONTACT LOADING

- 1 = Row A and B fully populated
  - 2 = Row A fully populated, Row B not populated
  - 3 = Row B fully populated, Row A not populated
- Consult Factory for other Loading Options

Note: Press Fit Connectors required a press in tool.  
Consult Factory for Press In Tool information.

MC = Mounting Clip  
Blank = No Mounting Clip

### TAIL PLATING

- 1 = Tin
- 2 = Gold flash (.200" from pin tip)
- 3 = Gold plate 30µ" (.200" from pin tip)
- 4 = Gold plate 15µ" (.200" from pin tip)

### MATING AREA PLATING

- 1 = Class 1
- 2 = Class 2
- 3 = Class 3

### TAIL LENGTH

- 1 = 4.67 [.184] Press-Fit
- 2 = 13.00 [.512] Press-Fit
- 3 = 17.00 [.669] Press-Fit
- 4 = 20.90 [.823] Press-Fit
- 5 = 2.90 [.114] Dip Solder
- 6 = 4.50 [.177] Dip Solder
- 7 = 13.00 [.512] Dip Solder Wire Wrap

### CONTACT TYPE

- 1 = For all Press Fit Connectors  
(Consult Factory if EM/LB Contact Required)
- 1 = Solder Version Requiring EM/LB Contacts  
(Consult Factory)
- 2 = Solder Versions Standard Contacts