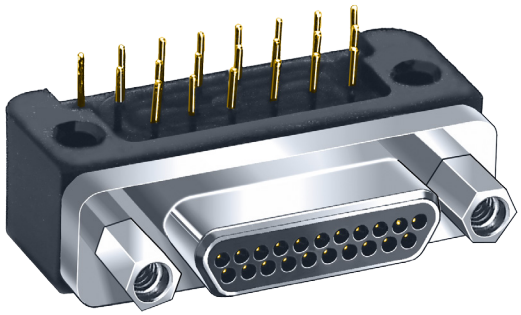
# Micro-D MWDM-CBR
# Right Angle Thru-Hole
## Printed Circuit Board Connectors





**High Performance** – These connectors feature gold-plated TwistPin contacts for best performance. PC tails are .020 inch diameter. Specify nickel-plated shells or cadmium plated shells for best availability.

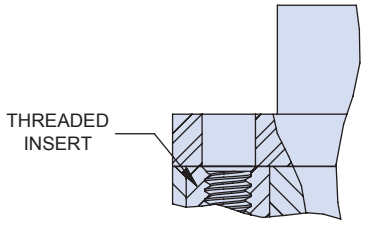
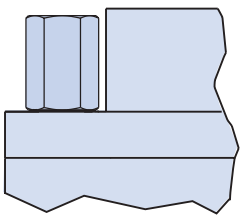
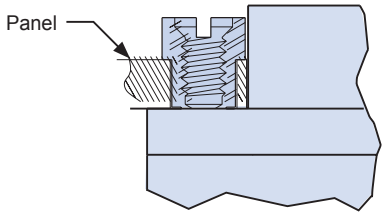
**Solder-Dipped** – Terminals are coated with Sn60/Pb40 tin-lead solder for best solderability. Optional gold-plated terminals are available for RoHS compliance.

**Rear Mountable** – Can be installed through panels up to .125 inch thick. Specify rear panel mount jackposts.

### How To Order CBR Style PCB Micro-D Connectors

| Sample Part Number | MWDM | 2 | L | -15 | P | CBR | R3 | T | -.110 | 513 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Series** | **MWDM** Glenair Micro-D | | | | | | | | | |
| **Shell Material and Finish** | Aluminum Shell: **1** - Cadmium, **2** - Nickel, **4** - Black Anodize, **5** - Gold, **6** - Chem Film. Stainless Steel Shell: **3** - Passivated | | | | | | | | | |
| **Insulator Material** | **L** - LCP or PPS. LCP - 30% Glass-filled liquid crystal polymer. PPS - 40% Glass-filled polyphenylene sulfide | | | | | | | | | |
| **Contact Layout** | **9**, **15**, **21**, **25**, **31**, **37**, **51**, **69**, **75**, **100**, **130** (See Table II) | | | | | | | | | |
| **Contact Type** | **P** – Pin **S** – Socket | | | | | | | | | |
| **Termination Type** | **CBR -** Condensed Board Right Angle | | | | | | | | | |
| **Jackpost Option** | (**Omit** for None) **P** – Jackpost (See Table I). Jackposts for Rear Panel Mounting: **R1** – .032" Panel, **R2** – .047" Panel, **R3** – .062" Panel, **R4** – .093" Panel, **R5** – .125" Panel, **R6** – .125" Panel | | | | | | | | | |
| **Threaded Insert Option** | **T** - Threaded Insert In Board Mount Hole. Omit - for Thru-Hole | | | | | | | | | |
| **Terminal Lentgth in Inches** | **.080**, **.110**, **.125**, **.140**, **.150**, **.172**, **.190**, **.250** Length in Inches ± .015 (0.38) | | | | | | | | | |
| **Gold-Plated Terminal Mod Code** | These connectors are solder-dipped in 60/40 tin-lead solder. To delete the solder dip and change to gold-plated terminals, add code **513** | | | | | | | | | |

### Table I: Jackpost Options

| No Designator | P | R1 Thru R6 |
|---|---|---|
|   |  |   |
| Thru-Hole<br>For use with Glenair jackposts only. Order hardware separately. Install with threadlocking compound. | Standard Jackpost<br>Factory installed, not intended for removal. | Jackpost for Rear Panel Mounting<br>Shipped loosely installed. Install with permanent threadlocking compound. |

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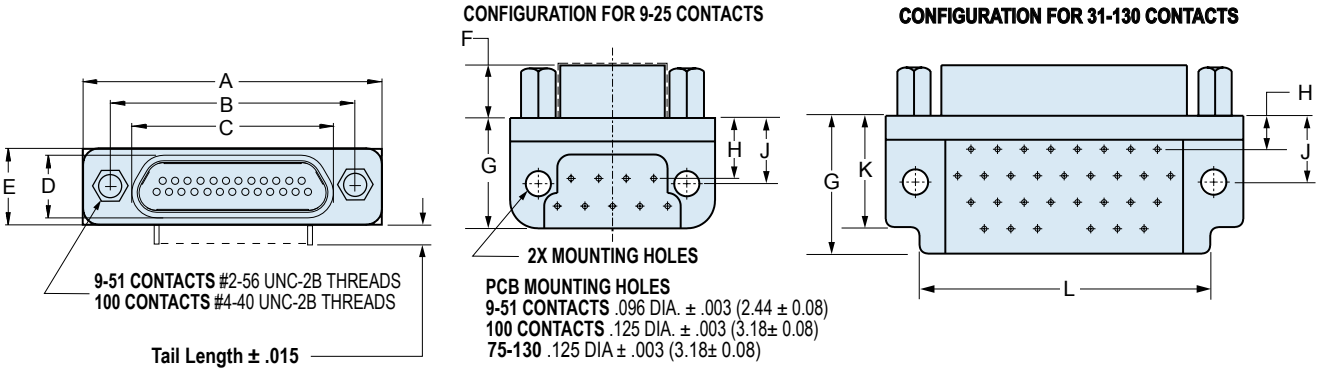
## Table II: Dimensions




| Layout | A Max. | | B | | C Max. | | D Max. | | E Max. | | F | | G Max. | | H | | J | | K Max. | | L Max. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | In. | mm. | In. ±.003 | mm. ± 0.08 | In. | mm. | In. | mm. | In. | mm. | In. ±.003 | mm. ± 0.08 | In. | mm. | In. ±.010 | mm. ±0.25 | In. ±.010 | mm. ±0.25 | In. | mm. | In. | mm. |
| 9P | .787 | 19.94 | .565 | 14.35 | .333 | 8.46 | .184 | 4.67 | .310 | 7.87 | .183 | 4.65 | .425 | 10.80 | .230 | 5.84 | .250 | 6.35 | --- | --- | --- | --- |
| 9S | .787 | 19.94 | .565 | 14.35 | .400 | 10.16 | .250 | 6.35 | .310 | 7.87 | .195 | 4.95 | .425 | 10.80 | .230 | 5.84 | .250 | 6.35 | --- | --- | --- | --- |
| 15P | .937 | 23.75 | .715 | 18.16 | .483 | 12.27 | .184 | 4.67 | .310 | 7.87 | .183 | 4.65 | .425 | 10.80 | .130 | 3.30 | .250 | 6.35 | --- | --- | --- | --- |
| 15S | .937 | 23.75 | .715 | 18.16 | .551 | 14.00 | .250 | 6.35 | .310 | 7.87 | .195 | 4.95 | .425 | 10.80 | .130 | 3.30 | .250 | 6.35 | --- | --- | --- | --- |
| 21P | 1.087 | 27.56 | .865 | 21.97 | .633 | 16.08 | .184 | 4.67 | .310 | 7.87 | .183 | 4.65 | .425 | 10.80 | .130 | 3.30 | .250 | 6.35 | --- | --- | --- | --- |
| 21S | 1.087 | 27.56 | .865 | 21.97 | .701 | 17.81 | .250 | 6.35 | .310 | 7.87 | .195 | 4.95 | .425 | 10.80 | .130 | 3.30 | .250 | 6.35 | --- | --- | --- | --- |
| 25P | 1.187 | 30.01 | .965 | 24.51 | .733 | 18.62 | .184 | 4.67 | .310 | 7.87 | .183 | 4.65 | .425 | 10.80 | .130 | 3.30 | .250 | 6.35 | --- | --- | --- | --- |
| 25S | 1.187 | 30.01 | .965 | 24.51 | .801 | 20.35 | .250 | 6.35 | .310 | 7.87 | .195 | 4.95 | .425 | 10.80 | .130 | 3.30 | .250 | 6.35 | --- | --- | --- | --- |
| 31P | 1.337 | 33.91 | 1.115 | 28.32 | .883 | 22.43 | .184 | 4.67 | .310 | 7.87 | .183 | 4.65 | .525 | 13.34 | .130 | 3.30 | .250 | 6.35 | .450 | 11.43 | 1.085 | 27.56 |
| 31S | 1.337 | 33.91 | 1.115 | 28.32 | .951 | 24.16 | .250 | 6.35 | .310 | 7.87 | .195 | 4.95 | .525 | 13.34 | .130 | 3.30 | .250 | 6.35 | .450 | 11.43 | 1.085 | 27.56 |
| 37P | 1.487 | 37.72 | 1.265 | 32.13 | 1.033 | 26.24 | .184 | 4.67 | .310 | 7.87 | .183 | 4.65 | .525 | 13.34 | .130 | 3.30 | .250 | 6.35 | .450 | 11.43 | 1.185 | 30.10 |
| 37S | 1.487 | 37.72 | 1.265 | 32.13 | 1.101 | 27.96 | .250 | 6.35 | .310 | 7.87 | .195 | 4.95 | .525 | 13.34 | .130 | 3.30 | .250 | 6.35 | .450 | 11.43 | 1.185 | 30.10 |
| 51P | 1.435 | 36.45 | 1.215 | 30.86 | .983 | 24.97 | .228 | 5.79 | .351 | 8.92 | .183 | 4.65 | .660 | 16.76 | .150 | 3.81 | .300 | 7.62 | .450 | 11.43 | 1.225 | 31.12 |
| 51S | 1.435 | 36.45 | 1.215 | 30.86 | 1.051 | 26.70 | .296 | 7.52 | .351 | 8.92 | .195 | 4.95 | .660 | 16.76 | .150 | 3.81 | .300 | 7.62 | .450 | 11.43 | 1.225 | 31.12 |
| 69P | 1.740 | 44.20 | 1.515 | 38.48 | 1.283 | 32.59 | .228 | 5.79 | .351 | 8.92 | .183 | 4.65 | .750 | 19.05 | .150 | 3.81 | .300 | 7.62 | .450 | 11.43 | 1.530 | 38.86 |
| 69S | 1.740 | 44.20 | 1.515 | 38.58 | 1.351 | 34.32 | .296 | 7.52 | .351 | 8.92 | .195 | 4.95 | .750 | 19.05 | .150 | 3.81 | .300 | 7.62 | .450 | 11.43 | 1.530 | 38.86 |
| 75P | 2.080 | 52.83 | 1.705 | 43.31 | 1.384 | 35.15 | .228 | 5.79 | .351 | 8.92 | .183 | 4.65 | 0.750 | 19.05 | .150 | 3.81 | .300 | 7.62 | .450 | 11.43 | 1.725 | 43.82 |
| 75S | 2.080 | 52.83 | 1.705 | 43.31 | 1.450 | 36.83 | .296 | 7.52 | .351 | 8.92 | .195 | 4.95 | 0.750 | 19.05 | .150 | 3.81 | .300 | 7.62 | .450 | 11.43 | 1.725 | 43.82 |
| 100P | 2.175 | 55.12 | 1.800 | 45.72 | 1.383 | 35.13 | .270 | 6.86 | .394 | 10.01 | .183 | 4.65 | 1.010 | 25.65 | .200 | 5.08 | .400 | 10.16 | .590 | 14.99 | 1.820 | 46.23 |
| 100S | 2.175 | 55.12 | 1.800 | 45.72 | 1.451 | 36.86 | .333 | 8.46 | .394 | 10.01 | .195 | 4.95 | 1.010 | 25.65 | .200 | 5.08 | .400 | 10.16 | .590 | 14.99 | 1.820 | 46.23 |
| 130P | 2.520 | 64.01 | 2.150 | 54.61 | 1.735 | 44.07 | .270 | 6.86 | .394 | 10.01 | .183 | 4.65 | 1.010 | 25.65 | .200 | 5.08 | .400 | 10.16 | .620 | 15.75 | 2.160 | 54.86 |
| 130S | 2.520 | 64.01 | 2.150 | 54.61 | 1.735 | 44.07 | .333 | 8.46 | .394 | 10.01 | .195 | 4.95 | 1.010 | 25.65 | .200 | 5.08 | .400 | 10.16 | .620 | 15.75 | 2.160 | 54.86 |

| Performance Specifications | |
|---|---|
| Current Rating | 3 AMP |
| DWV | 600 VAC Sea level |
| Insulation Resistance | 5000 Megohms Minimum |
| Contact Resistance | 8 Milliohms Maximum |
| Low Level Contact Resist. | 32 Milliohms Maximum |
| Magnetic Permeability | 2 **μ** Maximum |
| Operating Temperature | -55° C. to +150° C. |
| Shock, Vibration | 50 g., 20g. |
| Mating Force | (10 Ounces) X (# of Contacts) |

| Materials and Finishes | |
|---|---|
| Connector Shell | Aluminum Alloy 6061 or Stainless Steel, 300 Series, passivated. See Ordering Info for Plating Options |
| Insulator, Tray | Liquid Crystal Polymer (LCP)/ Polyphenylene Sulfide (PPS) |
| Interfacial Seal | Fluorosilicone Rubber, Blue |
| Pin Contact | Copper Alloy, Gold over Nickel Plating |
| Socket Contact | Copper Alloy, Gold Over Nickel Plating |
| PCB Terminals | Gold Plated Copper Alloy, Solder Dipped |
| Hardware | 300 Series Stainless Steel |
| Encapsulant | Epoxy Resin Hysol EE4215 |

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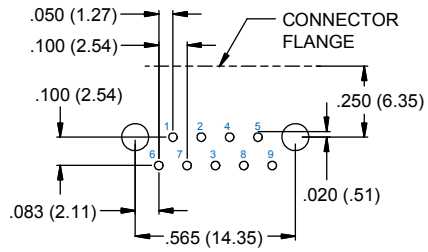
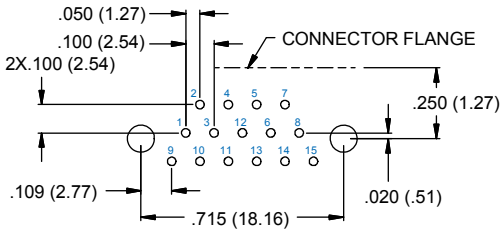
# Micro-D MWDM-CBR
# Right Angle Thru-Hole
## Printed Circuit Board Connectors

## MICRO-D CBR Board Mount Connector PCB Layouts – Pin Connectors

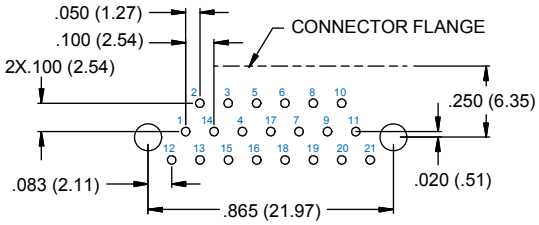
Patterns shown are for connector mounting side of PC board. 9 Thru 69 Contacts .096 (2.44) Diameter Mounting Holes, 75-130 Pin .125 (3.18) Diameter



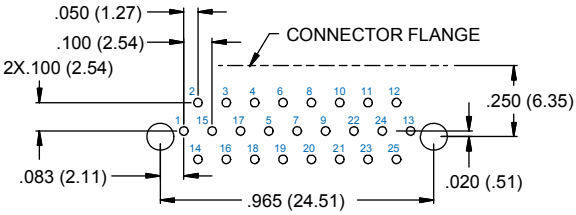

**9 PIN**



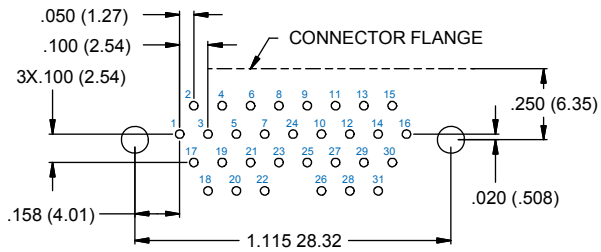

**15 PIN**



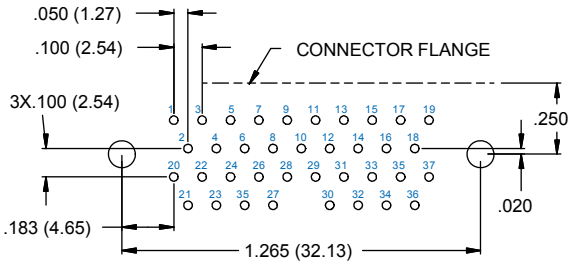

**21 PIN**



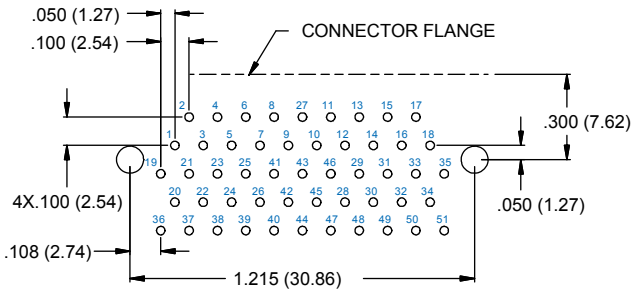

**25 PIN**



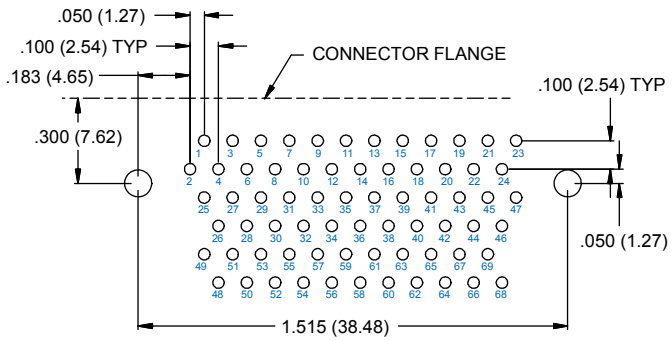

**31 PIN**




**37 PIN**




**51 PIN**




**69 PIN**

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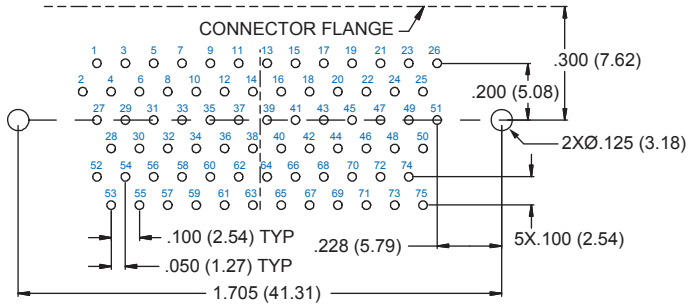
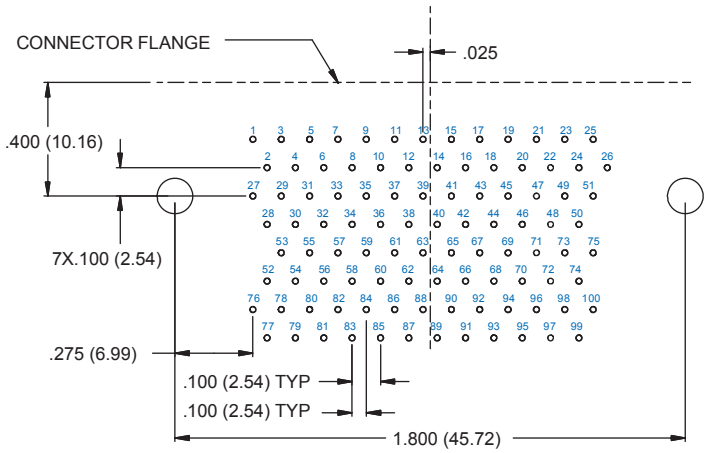
# MICRO-D CBR Board Mount Connector PCB Layouts – Pin Connectors

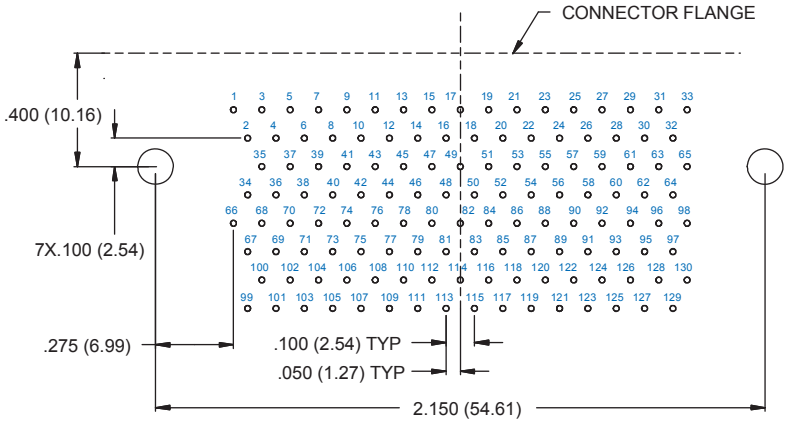
Patterns shown are for connector mounting side of PC board. 9 Thru 69 Contacts .096 (2.44) Diameter Mounting Holes, 75-130 Pin .125 (3.18) Diameter




**75 PIN**




**100 PIN**




**130 PIN**

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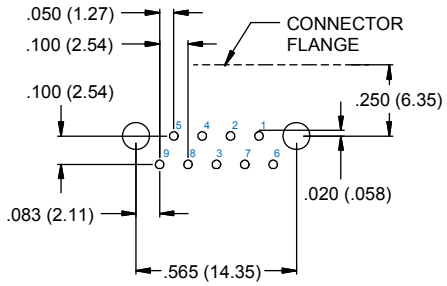
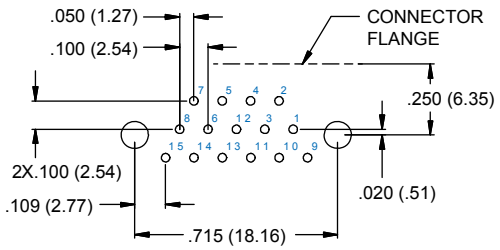
# Micro-D MWDM-CBR
# Right Angle Thru-Hole
## Printed Circuit Board Connectors

## MICRO-D CBR Board Mount Connector PCB Layouts – Socket Connectors

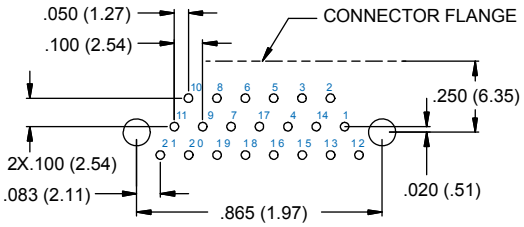
Patterns shown are for connector mounting side of PC board. 9 Thru 69 Contacts .096 (2.44) Diameter Mounting Holes, 75-130 Pin .125 (3.18) Diameter



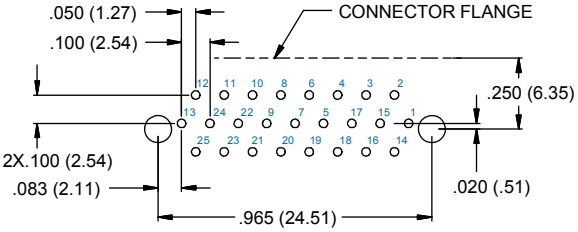

**9 SOCKET**



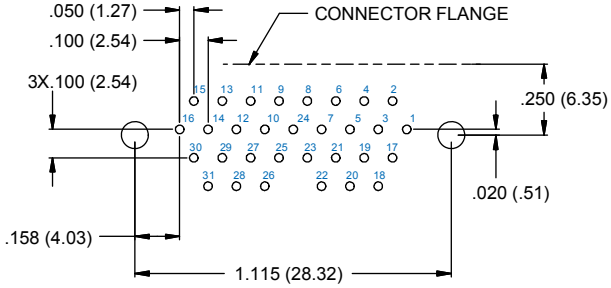

**15 SOCKET**



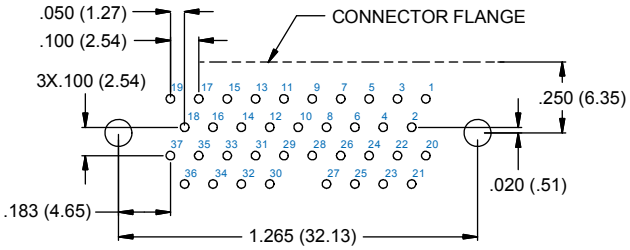

**21 SOCKET**



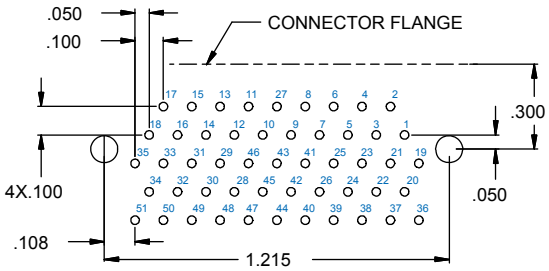

**25 SOCKET**



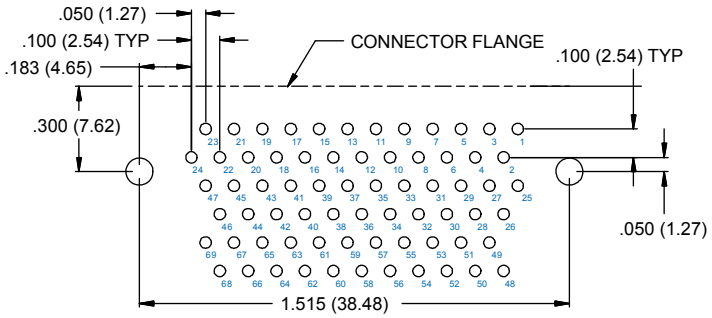

**31 SOCKET**




**37 SOCKET**




**51 SOCKET**




**69 SOCKET**

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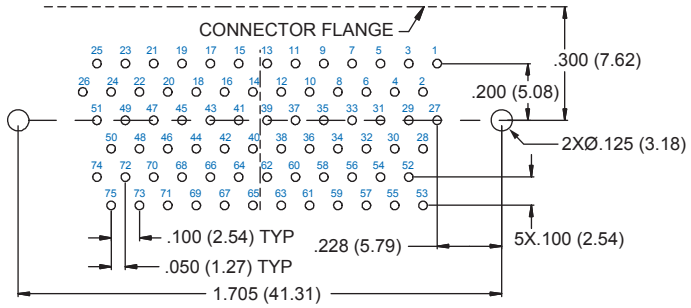
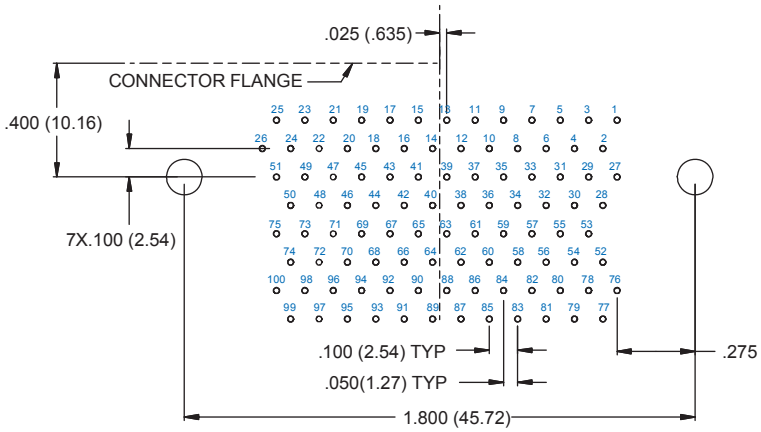
# MICRO-D CBR Board Mount Connector PCB Layouts – Socket Connectors

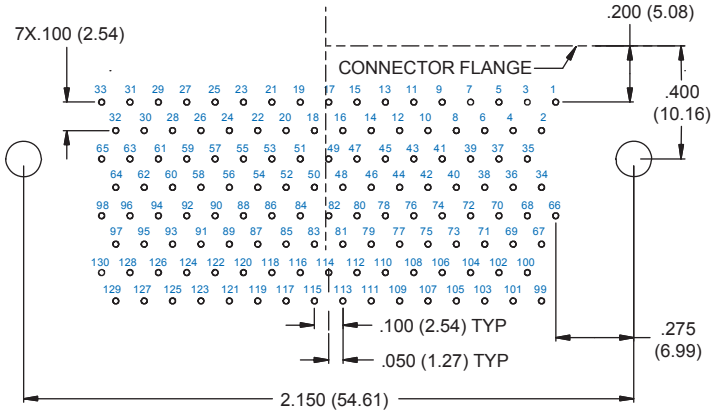
Patterns shown are for connector mounting side of PC board. 9 Thru 69 Contacts .096 (2.44) Diameter Mounting Holes, 75-130 Pin .125 (3.18) Diameter




**75 SOCKET**




**100 SOCKET**




**130 SOCKET**

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Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

**Данный компонент на территории Российской Федерации**

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

http://moschip.ru/get-element

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

**Офис по работе с юридическими лицами:**

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:
moschip.ru
moschip.ru_4
moschip.ru_6
moschip.ru_9