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Board-to-Board Connectors

Socket side: **WP3 - S###VA1 - R6000**
Pin side: **WP3 - P###VA1 - R6000**

Orderable in Reels of 6000

Socket side: **WH1S###WA1-E6000**
Pin side: **WH1P###WA1-E6000**

Orderable in Reels of 6000

Receptacle: **KX14 - ##K 2 DE**

Stack Height:
2, 5, 8mm

Straight Plug: **KX15 - ##K 3 DE**

Stack Height:
2, 4mm

R/A Plug: **KX15 - ##K L DLE**

Right angle

For pin counts below 30

Socket side: **WP7A - S###VA1 - R6000**
Pin side: **WP7 - P###VA1 - R6000**

For pin counts above 30

Socket side: **WP7B - S###VA1 - R6000**
Pin side: **WP7B - P###VA1 - R6000**

Orderable in Reels of 6000

Socket side: **AA01A - S###VA1 - R3000**
Pin side: **AA01A - P###VA1 - R3000**

Orderable in Reels of 3000

Receptacle: **KX24 - ###R - LT - H1**
Plug: **KX25 - ###P - LT - H1**

LT: Right-angle
6ST: Straight

H: Hook pin

Socket side: **WR - ###S - VF - N1**

B: Positioning Boss

H05: +0.5mm
H30: +3.0mm

Vert Pin side: **WR - ###P - VF - N1**

B: Positioning Boss

50: +1.0mm
60: +2.0mm

R/A Pin side: **WR - ###P - HF - HD - A1E**

Receptacle: **TX24 - ###R - LT - H1E**
Plug: **TX25 - ###P - LT - H1E**

Stacking Height:
Receptacle:
6, 10, 12mm

Plug:
6, 8, 12mm

*Right-angle leave blank

H: Hook pin
N: No hook pin

LT: Right angle
ST: Straight

Socket side: **WP9 - S###VA1 - R6000**
Pin side: **WP9 - P###VA1 - R6000**

Orderable in Reels of 6000

| Series | WP3 | WP7 | WP9 | WH1 | AA01A | WR | KX14/15 | KX24/25 | TX24/25 |
|-------------------------|---|--|---|---|---|--|---|---|---|
| Photo |  |  |  |  |  |  |  |  |  |
| Pitch | 0.4mm | 0.4mm | 0.4mm | 0.4mm | 0.5mm | 0.5mm | 0.8mm | 0.8mm | 1.27mm |
| Stacking Heights | 1.0mm | 0.7mm | 0.8mm | 1.0mm | 1.5mm | 4.0, 4.5, 5.0, 5.5, 6.0, 6.5, 7.0, 8.0, 9.0mm | 5.0, 6.0, 8.0, 9.0, 11.0, 12.0mm | N/A | 12.0-24.0mm (±2.0mm) |
| Pin Count (Parallel) | 16,20,22,24, 30,36,40,42, 50, 64,70,80 | 10,20,26,30, 50,70 | 10,14,20,24, 30,32 | 24,30,40,50 | 10,30,40,60 | 20,30,40,50, 60,70,80,100, 120,160 | 20,30,40,50 60,70,80 | 80,100,120, 140,180 (coplanar) | 30,40,50, 60, 80,100,120 |
| Pin Count (Right Angle) | N/A | N/A | N/A | N/A | N/A | 30,40,50,60, 70,80,120 | 20,30,40,50, 60,70,80 | 80,100,120, 140,180 | 30,40,44,50, 60,80,100,120 |
| Board Mount | SMT | SMT | SMT | SMT | SMT | SMT | SMT | Thru-hole | Thru-hole |
| Current Rating | 0.4A | 0.2A | 0.3A | 0.4A | 0.2A | 0.3A | 0.5A | 0.5A | 1.0A |
| Voltage Rating | 50VAC 50VDC | 50VAC 50VDC | 50VAC 50VDC | 50VAC 50VDC | 50VAC 50VDC | 200VAC 300VDC | 200VAC 300VDC | 200VAC | 250VAC |
| Durability | 50 cycles | 50 cycles | 50 cycles | 50 cycles | 30 cycles | 500 cycles | 500 cycles | 500 cycles | 500 cycles |
| Features | High retention force. | High retention force for low pin counts and low insertion force for high pin counts. | Small connector width helps reduce board mounting space. | Two point contact to resist twisting stress. | Dual mating contact. | 9 different vertical stack heights. | Mating guide for orientating contacts. Key to prevent mismatching. | Robust mating guide. Click response when mated. | Ribbon type contacts ensures reliable electrical continuity. |