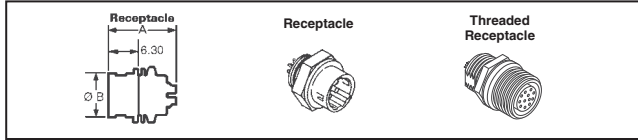


**HR10A Series**

**Snap-In and Threaded Coupling Connectors**

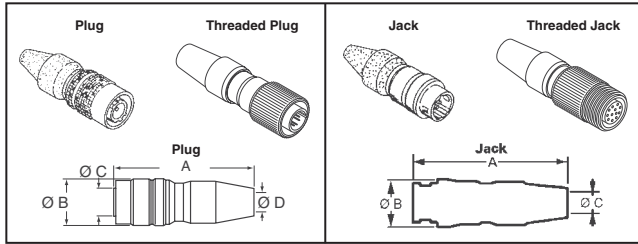
**SILVER PLATED CONTACTS**

**Features:** • Compatible with current HR10 series: Cable crimping tool maintains consistent cable clamp force. • To prevent from slipping, HR10A series are accompanied with ruled-off-squares roulette. **Electrical Specifications:** • Current Rating: 2A • Insulation Resistance: 1,000MΩ minimum • Contact Resistance: 10mΩ maximum



**Receptacle Charts**

No. of Pos.	Digi-Key Part No.	Dimensions (mm)		No. of Pos.	Digi-Key Part No.	Dimensions (mm)	
		A	B			A	B
4	HR1607, HR1605, HR1606	15.60	8.85	10	HR1676	12.20	11.90
	HR1592, HR1590, HR1593, HR1591	14.00	8.85		HR1677	12.00	11.90
	HR1667	12.20	8.85		HR1651	22.00	11.90
	HR1668	12.00	8.85		HR1658, HR1715, HR1712, HR1716	16.00	14.00
5	HR1616	15.60	8.85	12	HR212, HR1627, HR1625, HR1628, HR1626	16.00	11.90
	HR218, HR1615, HR219, HR1614	14.00	8.85		HR361, HR1647, HR1648, HR1649, HR1650	15.60	11.90
	HR1610, HR1611, HR1609, HR1608	15.60	8.85		HR367, HR1661, HR1654, HR1711	15.50	14.00
6	HR1617, HR1618	15.50	11.00	20	HR1678	12.20	11.90
	HR346, HR1591	14.00	11.00		HR1660	12.00	14.00
	HR1596, HR1594, HR1597, HR1595	14.00	8.85		HR1679	11.90	12.00
	HR233, HR1669	12.20	8.85		HR377, HR1697, HR1698	20.20	15.40
10	HR238, HR1670	12.00	8.85	HR1695, HR1696	19.20	15.40	
	HR1637, HR1639	16.00	14.00	HR1702, HR1704, HR1703, HR1705, HR1692, HR1690	17.80	18.00	
	HR650, HR1638, HR682, HR1640	16.00	11.90	HR1691	17.80	15.40	
	HR358, HR1646, HR1644, HR1645	15.60	11.90	HR1701	15.00	18.00	
					HR236, HR1687, HR241, HR1686	15.00	15.40

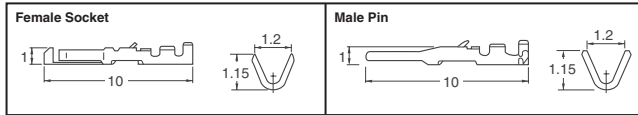


**Plug Chart**

**Jack Chart**

No. of Pos.	Digi-Key Part No.	Dimensions (mm)				No. of Pos.	Digi-Key Part No.	Dimensions (mm)		
		A	B	C	D			A	B	C
4	HR1582, HR1584, HR160, HR1663, HR1664, HR1583, HR1585	35.00	11.50	7.00	5.00	4	HR1599, HR1598, HR1671, HR1600	35.30	8.85	5.00
	HR1612, HR1613	35.00	11.50	7.00	5.00		6	HR1603, HR1601, HR338, HR1604, HR1602	35.30	8.85
5	HR1619, HR1620	35.00	12.00	7.00	5.00	10		HR1641, HR1643, HR1642	43.00	11.90
	HR1586, HR1588, HR1665, HR1666, HR1587, HR1589	35.00	11.50	7.00	5.00		12	HR1631, HR1629, HR1682, HR340, HR1683, HR1632, HR1630	43.00	11.90
6	HR1633, HR1635, HR162, HR1672, HR167, HR1673, HR1634, HR642, HR1636	43.00	14.70	9.50	7.00	20		HR1662, HR363, HR1655	41.30	14.70
	HR371, HR1709, HR1713, HR673, HR1710, HR1714	45.80	15.00	9.50	6.50		20	HR1689, HR1688	58.50	15.40
10	HR1653, HR1659	43.00	17.00	9.50	7.00					
	HR366, HR1656, HR1657	43.00	17.00	9.50	7.00					
12	HR1621, HR1623, HR1674, HR1675, HR1622, HR1624	43.00	14.70	9.50	7.00					
	HR1652	64.80	19.00	13.00	7.00					
20	HR1684, HR1685, HR1693, HR1699, HR1694, HR1700	58.80	19.00	13.00	7.00					
	HR382, HR1706, HR1707, HR1708	56.50	20.00	13.00	7.00					

Dimensions in mm



No. of Pos.	Description	Digi-Key Part No.	Price Each			Hirose Part No.
			1	10	100	
<b>Solder Cup Type</b>						
10	Plug with Socket Insert	HR642-ND*	13.68	12.66	10.61	HR10A-10P-10S(01)
5	Receptacle with Pin Insert	HR218-ND	7.07	5.99	4.49	HR10A-7R-5P
10	Receptacle with Pin Insert	HR682-ND*	11.16	9.70	7.76	HR10A-10R-10P(01)
20	Receptacle with Pin Insert	HR377-ND	17.25	16.68	14.95	HR10A-13R-20P

No. of Pos.	Description	Digi-Key Part No.	Price Each			Hirose Part No.
			1	10	100	
5	Receptacle with Socket Insert	HR219-ND	6.86	5.81	4.36	HR10A-7R-5S
10	Receptacle with Socket Insert	HR650-ND*	10.07	8.76	7.01	HR10A-10R-10S(01)
<b>Solder Cup Type — RoHS Compliant</b>						
4	Plug with Pin Insert	HR1582-ND	11.70	10.83	9.07	HR10A-7P-4P(73)
4	Plug with Pin Insert Cable Hole through Boot	HR1583-ND*	12.16	11.25	9.43	HR10A-7P-4P(74)
5	Plug with Pin Insert	HR1612-ND	12.02	11.12	9.32	HR10A-7P-5P(73)
6	Plug with Pin Insert	HR1586-ND	12.30	11.38	9.54	HR10A-7P-6P(73)
6	Plug with Pin Insert	HR1587-ND*	12.90	11.94	10.00	HR10A-7P-6P(74)
10	Plug with Pin Insert	HR1633-ND	12.87	12.12	10.60	HR10A-10P-10P(73)
10	Plug with Pin Insert	HR1634-ND*	14.26	13.43	11.75	HR10A-10P-10P(74)
12	Plug with Pin Insert	HR1621-ND	14.48	13.64	11.93	HR10A-10P-12P(73)
12	Plug with Pin Insert	HR1622-ND	15.62	14.71	12.87	HR10A-10P-12P(74)
20	Plug with Pin Insert	HR1693-ND	30.75	29.73	26.65	HR10A-13P-20P(73)
20	Plug with Pin Insert, 7mm Diameter Cable Hole through Boot	HR1694-ND*	32.76	31.67	28.40	HR10A-13P-20P(74)
20	Plug with Pin Insert, 8.3mm Diameter Cable Hole through Boot	HR1652-ND*	32.76	31.67	28.40	HR10A-13PA-20P(74)
4	Plug with Socket Insert	HR1584-ND	11.42	10.57	8.86	HR10A-7P-4S(73)
4	Plug with Socket Insert	HR1585-ND	11.88	10.99	9.21	HR10A-7P-4S(74)
5	Plug with Socket Insert	HR1613-ND	11.56	10.70	8.96	HR10A-10P-12S(73)
6	Plug with Socket Insert	HR1588-ND	11.70	10.83	9.07	HR10A-7P-6S(73)
6	Plug with Socket Insert	HR1589-ND*	12.46	11.53	9.66	HR10A-7P-6S(74)
10	Plug with Socket Insert	HR1635-ND	14.16	13.10	10.98	HR10A-10P-10S(73)
10	Plug with Socket Insert	HR1636-ND*	12.75	12.00	10.50	HR10A-10P-10S(74)
12	Plug with Socket Insert	HR1623-ND	13.48	12.69	11.11	HR10A-10P-12S(73)
12	Plug with Socket Insert	HR1624-ND*	14.99	14.12	12.35	HR10A-10P-12S(74)
20	Plug with Socket Insert	HR1699-ND	37.10	35.25	33.13	HR10A-13P-20S(73)
20	Plug with Socket Insert	HR1700-ND*	38.99	37.05	34.82	HR10A-13P-20S(74)
4	Receptacle with Pin Insert	HR1592-ND	7.15	6.05	4.54	HR10A-7R-4P(73)
4	Receptacle with Pin Insert	HR1593-ND	7.72	6.54	4.91	HR10A-7R-4P(74)
5	Receptacle with Pin Insert	HR1615-ND	7.51	6.36	4.77	HR10A-7R-5P(73)
6	Receptacle with Pin Insert	HR1596-ND	7.90	6.69	5.02	HR10A-7R-6P(73)
6	Receptacle with Pin Insert	HR1597-ND*	8.68	7.35	5.52	HR10A-7R-6P(74)
10	Receptacle with Pin Insert	HR1639-ND	10.12	8.80	7.04	HR10A-10R-10P(73)
10	Receptacle with Pin Insert	HR1640-ND*	10.32	9.55	8.00	HR10A-10R-10P(74)
12	Receptacle with Pin Insert	HR1627-ND	10.74	9.34	7.48	HR10A-10R-12P(73)
12	Receptacle with Pin Insert	HR1628-ND	10.52	9.74	8.16	HR10A-10R-12P(74)
20	Receptacle with Pin Insert	HR1697-ND	17.87	17.27	15.49	HR10A-13R-20S(73)
20	Receptacle with Pin Insert	HR1698-ND*	19.88	19.22	17.23	HR10A-13R-20S(74)
4	Receptacle with Socket Insert	HR1590-ND	6.76	5.72	4.29	HR10A-7R-4S(73)
4	Receptacle with Socket Insert	HR1591-ND*	7.33	6.21	4.66	HR10A-7R-4S(74)
5	Receptacle with Socket Insert	HR1614-ND	6.76	5.72	4.29	HR10A-7R-5S(73)
6	Receptacle with Socket Insert	HR1594-ND	6.97	5.90	4.43	HR10A-7R-6S(73)
6	Receptacle with Socket Insert	HR1595-ND*	7.90	6.69	5.02	HR10A-7R-6S(74)
10	Receptacle with Socket Insert	HR1637-ND	9.04	7.86	6.29	HR10A-10R-10S(71)
10	Receptacle with Socket Insert	HR1638-ND*	10.76	9.36	7.49	HR10A-10R-10S(72)
12	Receptacle with Socket Insert	HR1625-ND	9.38	8.16	6.53	HR10A-10R-12S(71)
12	Receptacle with Socket Insert	HR1626-ND	11.25	9.78	7.83	HR10A-10R-12S(72)
20	Receptacle with Socket Insert	HR1695-ND	35.25	34.08	30.55	HR10A-13R-20S(73)
20	Receptacle with Socket Insert	HR1696-ND*	37.43	36.18	32.44	HR10A-13R-20S(74)
4	Jack with Pin Insert	HR1599-ND	10.98	10.16	8.51	HR10A-7J-4P(73)
4	Jack with Pin Insert	HR1600-ND*	11.42	10.57	8.86	HR10A-7J-4P(74)
6	Jack with Pin Insert	HR1603-ND	11.56	10.70	8.96	HR10A-7J-6P(73)
6	Jack with Pin Insert	HR1604-ND*	12.16	11.25	9.43	HR10A-7J-6P(74)
10	Jack with Pin Insert	HR1643-ND	13.53	12.74	11.15	HR10A-10J-10P(73)
12	Jack with Pin Insert	HR1631-ND	14.62	13.76	12.04	HR10A-10J-12P(73)
12	Jack with Pin Insert	HR1632-ND	15.49	14.58	12.76	HR10A-10J-12P(74)
4	Jack with Socket Insert	HR1598-ND	10.68	9.88	8.28	HR10A-7J-4S(73)
6	Jack with Socket Insert	HR1601-ND	11.98	10.16	8.51	HR10A-7J-6S(73)
6	Jack with Socket Insert	HR1602-ND*	10.70	10.83	9.07	HR10A-7J-6S(74)
10	Jack with Socket Insert	HR1641-ND	13.32	12.33	10.33	HR10A-10J-10S(73)
10	Jack with Socket Insert	HR1642-ND*	14.98	13.86	11.61	HR10A-10J-10S(74)
12	Jack with Socket Insert	HR1629-ND	13.36	12.58	11.01	HR10A-10J-12S(73)
12	Jack with Socket Insert	HR1630-ND*	14.84	13.97	12.23	HR10A-10J-12S(74)
<b>Crimp Type (contacts sold separately)</b>						
4	Plug for Pin Insert	HR160-ND	10.44	9.66	8.10	HR10A-7P-4PC
10	Plug for Pin Insert	HR162-ND	13.46	12.46	10.44	HR10A-10P-10PC
6	Plug for Socket Insert	HR166-ND	10.60	9.81	8.22	HR10A-7P-6SC
10	Plug for Socket Insert	HR167-ND	13.74	12.71	10.65	HR10A-10P-10SC
6	Receptacle for Pin Insert	HR233-ND	7.05	5.84	4.38	HR10A-7R-6PC
20	Receptacle for Pin Insert	HR236-ND	15.22	14.32	12.53	HR10A-13R-20PC
6	Receptacle for Socket Insert	HR238-ND	6.64	5.50	4.13	HR10A-7R-6SC
20	Receptacle for Socket Insert	HR241-ND	15.22	14.32	12.53	HR10A-13R-20SC
6	Jack for Socket Insert	HR338-ND	11.04	9.60	7.68	HR10A-7J-6SC
12	Jack for Socket Insert	HR340-ND	13.74	12.71	10.65	HR10A-10J-12SC
<b>Crimp Type (contacts sold separately) — RoHS Compliant</b>						
4	Plug for Pin Insert	HR1663-ND	11.30	10.46	8.76	HR10A-7P-4PC(73)
6	Plug for Pin Insert	HR1665-ND	10.72	9.92	8.31	HR10A-7P-6PC(73)
10	Plug for Pin Insert	HR1672-ND	14.58	13.49	11.30	HR10A-10P-10PC(73)
12	Plug for Pin Insert	HR1674-ND	14.14	13.08	10.96	HR10A-10P-12PC(73)
20	Plug for Pin Insert	HR1684-ND	27.18	26.28	23.56	HR10A-13P-20PC(73)
4	Plug for Socket Insert	HR1664-ND	11.46	10.61	8.89	HR10A-7P-4SC(73)
6	Plug for Socket Insert	HR1666-ND	11.46	10.61	8.89	HR10A-7P-6SC(73)
10	Plug for Socket Insert	HR1673-ND	14.90	13.79	11.55	HR10A-10P-10SC(73)
12	Plug for Socket Insert	HR1675-ND	14.90	13.79	11.55	HR10A-10P-12SC(73)
20	Plug for Socket Insert	HR1685-ND	27.18	26.28	23.56	HR10A-13P-20SC(73)
4	Receptacle for Pin Insert	HR1667-ND	6.55	5.55	4.16	HR10A-7R-4PC(73)
6	Receptacle for Pin Insert	HR1669-ND</				