ORDERING INFORMATION - CODE NUMBERING SYSTEM

Specify Complete Connector By Selecting An Option From Step 1 Through 7

STEP	1	2	3	4	5	6	7	8	—	9
EXAMPLE	VPX	6W6	F	93	0	0	A1	/AA		

STEP 1 - BASIC SERIES

VPX - VP Series

STEP 2 - CONNECTOR VARIANTS

6W6 - All contact positions populated.

STEP 3 - CONNECTOR GENDER

M - Male
F - Female

STEP 4 - TYPE OF CONTACT

4 - Right Angle (90°) Board Mount, Solder. Male only
93 - Straight Board Mount, Compliant Press-fit. Female only

STEP 5

0 - None

STEP 6

0 - None

STEP 7 - CONTACT PLATING

A1 - Gold flash over nickel on mating end and termination end.
A2 - Gold flash over nickel on mating end and 5.00μ [0.00020 inch] tin-lead solder coat on termination end. Not available with code 93 in step 4.
C1 - 0.76μ [0.000030 inch] gold over nickel on mating end and termination end.
C2 - 0.76μ [0.000030 inch] gold over nickel on mating end and 5.00μ [0.00020 inch] tin-lead solder coated termination end. Not available with code 93 in step 4.
D1 - 1.27μ [0.000050 inch] gold over nickel on mating end and termination end.
D2 - 1.27μ [0.000050 inch] gold over nickel on mating end and 5.00μ [0.00020 inch] tin-lead solder coated termination end. Not available with code 93 in step 4.

STEP 8 - ENVIRONMENTAL COMPLIANCE OPTIONS

/AA - Compliant per EU Directive 2002/95/EC (RoHS)

Note: If compliance to environmental legistation is not required, this step will not be used. Example: VPX6W6F9300A1

STEP 9 - SPECIAL OPTIONS

Sequential mating system - See page 4 for details.

CONTACT TECHNICAL SALES FOR SPECIAL OPTIONS

- VP Series connectors are **designed to be mounted to the PCB with screws**. Please use the following type: Phillips Pan Head Self-Tapping Screw, 2-28 Triplask II Trilobular threads or equivalent. Screws are available from Positronic Industries. See chart for part number.
- Female contact press-fit connectors **require a press-fit tool**, part number 9513-308-4-41, for installation.

Let us work with you to develop variants of the VP Series to meet your specific requirements.

Unless otherwise specified, dimensional tolerances are:

1) ±0.03 mm [0.001 inches] for male contact mating diameters.
2) ±0.08 mm [0.003 inches] for contact termination diameters.
3) ±0.13 mm [0.005 inches] for all other diameters.
4) ±0.38 mm [0.015 inches] for all other dimensions.

MOUNTING SCREWS

STEEL SCREW PART NUMBER	STAINLESS STEEL SCREW PART NUMBER	THREAD LENGTH
4546-7-1-16	4546-7-6-4	6.35+0.00-0.76 [0.250+0.000-0.030]
4546-7-2-16	4546-7-7-4	7.93+0.00-0.76 [0.312+0.000-0.030]
4546-7-3-16	4546-7-8-4	9.53+0.00-0.76 [0.375+0.000-0.030]
4546-7-4-16	4546-7-9-4	11.11+0.00-0.76 [0.438+0.000-0.030]

Mounting hole in connector is 4.00 [0.157] deep.

Contact Technical Sales for RoHS compliant mounting screw information.

DIMENSIONS ARE IN MILLIMETERS [INCHES].
ALL DIMENSIONS ARE SUBJECT TO CHANGE.

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