For the **TW1000, TW3865, TW3965, TW3870E & TW3970E**

Family of Products (Embedded)



33-<u>aaaa-xx-yyyy-zz</u> Product cable length in mm



Valid Connectors

00 = SMA straight male (plug) 10 = SMA Right Angle ** 20 = SMA Female

01 = TNC female 11 = Reverse polarity SMA**

02 = MCX straight male (plug) 12 = Waterproof SMA** 22 = R/A QMA** 03 = MMCX straight male (plug) 13 = SSMA ** 23 = SMP**

04 = SMB straight male (plug) 24 = SMC Male

05 = MCX right angle male (plug)

15 = TNC male (plug)

25 = SMC Straight Female

06 = MMCX right angle male (plug) 16 = N-Type Male** 26 = SMB Straight Female 17 = BNC Male** 27 = MCX Female Straight

08 = H.FL (female)** (micro-coax cable) 18 = FME** 33 = MMCX straight male (Cinch

09 = U.FL (micro-coax cable) 19 = MMCX Female Connectivity PN 135-3403-001)** 34 = FAKRA SMB plug**

** Premiums apply. Please check with your Distributor

For the **TW2000** Family of Products

Part Number Structure:

Connector

33-<u>2aaa</u>-xx-yyyy

Product ______

Valid Connectors

Without Cable:

07 = SMA female (jack) bulkhead

With Cable (max length 5m):

00 = SMA straight male (plug) 10 = SMA Right Angle ** 20 = SMA Female

01 = TNC female 11 = Reverse polarity SMA**

02 = MCX straight male (plug) 12 = Waterproof SMA** 22 = R/A QMA** 03 = MMCX straight male (plug) 13 = SSMA ** 23 = SMP**

04 = SMB straight male (plug) 24 = SMC Male

05 = MCX right angle male (plug) 15 = TNC male (plug) 25 = SMC Straight Female 06 = MMCX right angle male (plug) 16 = N-Type Male** 26 = SMB Straight Female 17 = BNC Male** 27 = MCX Straight Female

18 = FME** 33 = MMCX straight male (Cinch 19 = MMCX Female Connectivity PN 135-3403-001)**

34 = FAKRA SMB Plug**

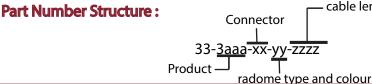
** Premiums apply. Please check with your Distributor

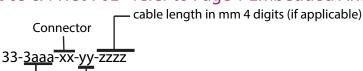
NOTE: To order any of the TW2000 antennas with NO MAGNETS, add "NM" after the Product (eg. 33-2410NM-00-3000). To add Adhesive Tape to the bottom of the same, add "AT" after the Product Name (eg. 33-2410AT-07). If you desire both, then use NMAT, eg. 33-2410NMAT-07.

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For the **TW3000** Family of Products

For TW3865, TW3870E, TW3965 & TW3970E - refer to Page 1 Embedded Antennas





Valid Connectors

Without Cable:

01 = TNC female 14 = N-Type female

With Cable (max length 5m):

00 = SMA straight male (plug) 10 = SMA Right Angle ** 20 = SMA Female

01 = TNC female (on antenna base only) 11 = Reverse polarity SMA**

02 = MCX straight male (plug) 12 = Waterproof SMA** 22 = R/A QMA** 03 = MMCX straight male (plug) 13 = SSMA ** 23 = SMP**

04 = SMB straight male (plug) 24 = SMC Male

05 = MCX right angle male (plug) 06 = MMCX right angle male (plug) 15 = TNC male 25 = SMC Straight Female 26 = SMB Straight Female

> 17 = BNC Male** 27 = MCX Female Straight 18 = FME** 34 = FAKRA SMB Plug**

Tallysmar

19 = MMCX Female

** Premiums apply. Please check with your Distributor

Radome Codes:

00 = Dark grey Conical 10 = Dark grey low profile 01 = White Conical 11 = White low profile

For the **TW4000** Family of Products

Part Number Structure:

Connector
33-<u>4aaa</u>-xx-<u>yyyy</u>
Product cable length in mm

Valid Connectors

00 = SMA straight male (plug) 10 = SMA Right Angle ** 20 = SMA Female

11 = Reverse polarity SMA**

02 = MCX straight male (plug) 12 = Waterproof SMA** 22 = R/A QMA** 03 = MMCX straight male (plug) 13 = SSMA ** 23 = SMP**

25 – WING A STRAIGHT HAIR (PLUS)

04 = SMB straight male (plug) 24 = SMC Male

05 = MCX right angle male (plug)15 = TNC male (plug)25 = SMC Straight Female06 = MMCX right angle male (plug)16 = N-Type Male**26 = SMB Straight Female

17 = BNC Male** 27 = MCX Straight Female 18 = FME** 33 = MMCX straight male (Cinch

19 = MMCX Female Connectivity PN 135-3403-001)**

34 = FAKRA SMB Plug**

** Premiums apply. Please check with your Distributor

NOTE: To order any of the TW4000 antennas with NO MAGNETS, add "NM" after the Product (eg. 33-4421NM-00-3000). To add Adhesive Tape to the bottom of the same, add "AT" after the Product Name (eg. 33-4421AT-00-3000). If you desire both, then add them together, eg> 33-4421NMAT-00-3000

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For the **TW5000** Family of Products



Part Number Structure:

Configuration code: x = 0 = RS232 12V; 1 = RS232 5V; 2 = CMOS 5V, 3 = CMOS, 3.3V, 5 = RS232 3.3V

Radome Codes:

00 = Dark grey Conical 10 = Dark grey low profile 01 = White Conical 11 = White low profile

For the **VP6000** Family of Products

Part Number Structure: 33-6abbcd-ee-ff-gg

a = Covered Frequencies:

0 = All GNSS frequencies + L-Band (1525 - 1559 MHz

2 = L1/L2, G1/G2, B1/B2, E1 + L-Band

3= L1/L2/L5, G1/G2/G3, B1/B2, E1/E5a+b

4 - 9 = Reserved for future use

 $\mathbf{bb} = LNA Gain$

35 = 35dB

50 = 50 dB

c = Base Type

0 = Standard base

1 - 9 = Reserved for future use

 $\mathbf{d} = Options$

0 = No options

ee and ff = connector types:

01 = TNC Female 14 = N-Type Female **

xx = no connector

** Premiums apply. Please check with your Distributor.

NOTE: ff defines a second connector (requiring a custom base to be ordered) At this time, ff defaults to "xx"

gg = radome:

01 = White Conical 11 = White Flat top

Example:

33-605000-01-xx-11 Is an antenna which covers all GNSS frequencies + L-Band, provides,

50 dB of gain, uses a standard base, has one TNC female connector

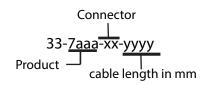
and a white flat top radome.

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For the TW7000 Family of Products



Part Number Structure:



Valid Connectors

Without Cable:

07 = SMA female (jack) bulkhead

With Cable (max length 5m):

00 = SMA straight male (plug)	10 = SMA Right Angle **	20 = SMA Female
01 = TNC female	11 = Reverse polarity SMA**	
02 = MCX straight male (plug)	12 = Waterproof SMA**	22 = R/A QMA**
03 = MMCX straight male (plug)	13 = SSMA **	$23 = SMP^{**}$
04 = SMB straight male (plug)		24 = SMC Male

 $05 = MCX \text{ right angle male (plug)} \qquad 15 = TNC \text{ male (plug)} \qquad 25 = SMC \text{ Straight Female} \\ 06 = MMCX \text{ right angle male (plug)} \qquad 16 = N-Type \text{ Male**} \qquad 26 = SMB \text{ Straight Female} \\ 17 = BNC \text{ Male**} \qquad 27 = MCX \text{ Straight Female} \\ 17 = MCX \text{ Straight Female} \\ 18 = MCX \text{ Straight Female} \\ 19 = MCX \text{ Straight Female} \\ 10 = MCX \text{ Straight Female} \\$

18 = FME** 33 = MMCX straight male (Cinch 19 = MMCX Female Connectivity PN 135-3403-001)**

34 = FAKRA SMB Plug**

** Premiums apply. Please check with your Distributor

NOTE: To order any of the TW7000 antennas with NO MAGNETS, add "NM" after the Product (eg. 33-7970NM-00-3000). To add Adhesive Tape to the bottom of the same, add "AT" after the Product Name (eg. 33-7970AT-07). If you desire both, then use NMAT, eg. 33-7970NMAT-07.

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