

# Tallysman Part Number Ordering Guide

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**About Tallysman:** With global headquarters and manufacturing in Ottawa, Canada, Tallysman is a leading manufacturer of high-precision antennas and components for Global Navigation Satellite System (GNSS) applications. Tallysman’s mission is to support the needs of a new generation of positioning systems by delivering unprecedented antenna precision at competitive prices. Learn more at [www.tallysman.com](http://www.tallysman.com)

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## For the Embedded Antenna Family of Products

Custom Tuning is Highly Recommended for all Embedded Antennas

**Part Number Structure :** 33-aaaa-xx-yyyy

● aaaa = Product    ● xx = Connector    ● yyyy = Cable Length in mm

### Valid Connectors (xx) – All Embedded Patch Antennas must be cabled

#### Cable Required :

00 = SMA Straight Male (plug)	13 = SSMA**	25 = SMC Straight Female
02 = MCX Straight Male (plug)	15 = TNC male (plug)	26 = SMB Straight Female
03 = MMCX Straight Male (plug)	16 = N-Type Male**	27 = MCX Straight Female
04 = SMB Straight Male (plug)	17 = BNC Male**	28 = SSMCX Straight Plug**
05 = MCX Right Angle Male (plug)	18 = FME**	29 = R/A SSMCX Plug**
06 = R/A MMCX male (plug)	19 = MMCX Female	30 = SMB with Overmold**
09 = U.FL (micro-coax cable)	20 = SMA Female	35 = MMBX**
10 = SMA Right Angle**	22 = R/A QMA**	37 = R/A Male SMB**
11 = Reverse Polarity SMA**	23 = SMP**	38 = TNC Female
12 = Waterproof SMA**	24 = SMC Male	

**Cable Length Tolerances:** <1m : ±3.0mm, 1m-4.9m: ±30mm, >5m: ±50mm

**Maximum Cable Lengths:** 5000mm for RG174 , 1450mm for Micro-Coax

**\*\* Premiums apply. Please check with your Distributor.**

## For the TW2000 Family of Products

**Part Number Structure :** 33-2aaa-xx-yyyy

● 2aaa = Product    ● xx = Connector    ● yyyy = Cable Length in mm (If Applicable)

### Valid Connectors (xx)

#### Without Cable:

07 = SMA Female (jack) bulkhead

#### With Cable:

00 = SMA Straight Male (plug)	15 = TNC male (plug)	26 = SMB Straight Female
02 = MCX Straight Male (plug)	16 = N-Type Male**	27 = MCX Straight Female
03 = MMCX Straight Male (plug)	17 = BNC Male**	28 = SSMCX Straight Plug**
04 = SMB Straight Male (plug)	18 = FME**	29 = R/A SSMCX Plug**
05 = MCX Right Angle Male (plug)	19 = MMCX Female	30 = SMB with Overmold**
06 = R/A MMCX male (plug)	20 = SMA Female	31 = SMC R/A Female**
10 = SMA Right Angle**	22 = R/A QMA**	35 = MMBX**
11 = Reverse Polarity SMA**	23 = SMP**	37 = R/A Male SMB**
12 = Waterproof SMA**	24 = SMC Male	38 = TNC Female
13 = SSMA**	25 = SMC Straight Female	

**NOTE:** To order the TW2000 antennas with No Magnet, add “NM” after the Product (eg. 33-2410NM-07).

To add Adhesive Tape to the bottom of the TW2000, add “AT” after the Product (eg. 33-2410AT-07).

If you want both, No Magnet and Adhesive Tape, add “NMAT” after the Product (eg. 33-2410NMAT-07).

**Cable Length Tolerances:** <1m : ±3.0mm, 1m-4.9m: ±30mm, >5m: ±50mm

**Maximum Included Cable Length:** 5000mm

**\*\* Premiums apply. Please check with your Distributor.**

## For the TW3000 Family of Products

For TW3865, TW3870E, TW3872E, TW3967 & TW3972E - Refer to [Embedded Antennas](#)

**Part Number Structure :** 33-3aaa**bb**-xx-yy-zzzz

- 3aaa = Product
- bb = Modifier
- xx = Connector
- yy = Radome (Type and Colour)
- zzzz = Cable Length in mm (If Applicable)

### Valid Connectors (xx)

#### Without Cable:

01 = TNC Female (see #38 for cabled version)      14 = N-Type Female\*\*

#### With Cable:

00 = SMA Straight Male (plug)	15 = TNC male (plug)	26 = SMB Straight Female
02 = MCX Straight Male (plug)	16 = N-Type Male**	27 = MCX Straight Female
03 = MMCX Straight Male (plug)	17 = BNC Male**	28 = SSMCX Straight Plug**
04 = SMB Straight Male (plug)	18 = FME**	29 = R/A SSMCX Plug**
05 = MCX Right Angle Male (plug)	19 = MMCX Female	30 = SMB with Overmold**
06 = R/A MMCX male (plug)	20 = SMA Female	31 = SMC R/A Female**
10 = SMA Right Angle**	22 = R/A QMA**	35 = MMBX**
11 = Reverse Polarity SMA**	23 = SMP**	37 = R/A Male SMB**
12 = Waterproof SMA**	24 = SMC Male	38 = TNC Female
13 = SSMA**	25 = SMC Straight Female	

**Modifiers: (bb)** ST = Short Thread    AJ = Anti-Jamming Configuration\*\*

**Cable Length Tolerances:** <1m : ±3.0mm, 1m-4.9m: ±30mm, >5m: ±50mm

**Maximum Cable Length:** 5000mm

**\*\* Premiums apply. Please check with your Distributor.**

#### Radome Codes (yy):

00 = Dark grey Conical    10 = Dark grey low profile    12 = Black low profile    01 = White Conical    11 = White low profile

#### AJ Antenna Radome Code (y):

W = White    G = Grey (For TW3142, TW3442, TW3742, and TW3752 only)  
Anti Jamming Part# 33-aaaaAJ-xx-y-zzzz (Cable Optional)

## For the TW4000 Family of Products

### Part Number Structure :

33-4aaa-xx-yyyy

● 4aaa = Product    ● xx = Connector    ● yyyy = Cable Length in mm

### Valid Connectors (xx)

#### Cable Required:

00 = SMA Straight Male (plug)	15 = TNC male (plug)	26 = SMB Straight Female
02 = MCX Straight Male (plug)	16 = N-Type Male**	27 = MCX Straight Female
03 = MMCX Straight Male (plug)	17 = BNC Male**	28 = SSMCX Straight Plug**
04 = SMB Straight Male (plug)	18 = FME**	27 = MCX Straight Female
05 = MCX Right Angle Male (plug)	19 = MMCX Female	28 = SSMCX Straight Plug**
06 = R/A MMCX male (plug)	20 = SMA Female	29 = R/A SSMCX Plug**
10 = SMA Right Angle**	22 = R/A QMA**	30 = SMB with Overmold**
11 = Reverse Polarity SMA**	23 = SMP**	35 = MMBX**
12 = Waterproof SMA**	24 = SMC Male	37 = R/A Male SMB**
13 = SSMA**	25 = SMC Straight Female	38 = TNC Female

**NOTE:** To order the TW4000 antennas with No Magnet, add “NM” after the Product (eg. 33-4421NM-00-3000).  
 To add Adhesive Tape to the bottom of the TW4000, add “AT” after the Product (eg. 33-4421AT-00-3000).  
 If you want both, No Magnet and Adhesive Tape, add “NMAT” after the Product (eg. 33-4421NMAT-00-3000).

**Cable Length Tolerances:** <1m : ±3.0mm, 1m-4.9m: ±30mm, >5m: ±50mm

**Maximum Cable Length:** 5000mm

**\*\* Premiums apply. Please check with your Distributor.**

## For the TW5340 / TW5341/TW5343

**Part Number Structure :** 33-534w-x-yy-zz

- 534w = Product
- x = Voltage and Interface
- yy = Radome (Type and Colour)
- zz = Cable Length

**w = Type:**

- 0 = Standard
- 1 = Non-Magnetic
- 3 = Two RS422 Ports

**x = Voltage and Interface:**

- 1 = 5V, RS232
- 2 = 5V, CMOS
- 3 = 3.3V, CMOS
- 5 = 3.3V, RS232
- 6 = 9-36V, RS232
- 8 = 9-36V, RS422 (only option for TW5343)

**Radome (yy):**

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

**Cable Length (zz):**

- 05 = 5m standard
- 15 = 15m\*<sup>2</sup>
- 25 = 25m\*<sup>2</sup>
- 5D = 5m Terminating in IP67 DIN connector\*

\* Premium applies

<sup>2</sup> 15m & 25m cable is not available with CMOS interface

## For the TW5342 / TW5242 /TW5362 / TW5262

**Part Number Structure:**

33-5www-x-10-05-PC0

- w= 5342 / 5242 = Product
- x = 6 = 12-36v, RS232
- 10 = Dark Grey Low Profile Radome
- 05 = 5m cable
- w = 5362 / 5262 = Product
- x = 7 = 5-36v, RS232
- 10 = Dark Grey Low Profile Radome
- 05 = 5m cable

## For the VP6000 Family of Products

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

- a = Covered Frequencies
- bb = LNA Gain
- c = Base
- d = Options
- ee = Connector
- gg = Radome

**a = Covered Frequencies:**

- 0 = All GNSS Frequencies + L-Band
- 1 = All GNSS Frequencies
- 2 = L1/L2, G1/G2, B1/B2, E1 + L-Band
- 3 = L1/L2/L5, G1/G2/G3, B1/B2, E1/E5a+b

**bb = LNA Gain:**

- 35 = 35dB
- 50 = 50dB

**c = Base:**

- 0 = Standard Base

**d = Options:**

- 0 = No Options

**ee = Connector:**

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

**gg = Radome:**

- 01 = White Conical
- 11 = White Flat Top

**EXAMPLE:** 33-605000-01-11 is an antenna which covers all GNSS frequencies + L-Band, provides 50 dB of gain, has a standard base, with a TNC female connector and a white flat top radome.

**\*\* Premiums apply. Please check with your Distributor.**

## For the VC6000 Family of Products

**Part Number Structure :** 33-VC6**xyy**-14

- x = Covered Frequencies
- yy = LNA Gain

**x = Covered Frequencies:**

- 0 = All GNSS Frequencies + L-Band Correction Services
- 1 = All GNSS Frequencies

**yy = LNA Gain:**

- 35 = 35dB
- 50 = 50dB

**Connector:**

- 14 = N-Type Female

**SCIGN Radome Available**

Short SCIGN Radome = 24-0053-0

Tall SCIGN Radome = 24-0053-1

## For the Housed Helical Family of Products

### Part Numbers:

<b>HC600</b>	33-HC600	
<b>HC771</b>	33-HC771-28 (28dB LNA)	
<b>HC871</b>	33-HC871-28 (28dB LNA)	
<b>HC872</b>	33-HC872-28 (28dB LNA)	33-HC872-35 (35dB LNA)
<b>HC882</b>	33-HC882-28 (28dB LNA)	33-HC882-35 (35dB LNA)
<b>HC976</b>	33-HC976-28 (28dB LNA)	33-HC976-35 (35dB LNA)
<b>HC977</b>	33-HC977-28 (28dB LNA)	33-HC977-35 (35dB LNA)

**\*All Housed Helicals include an integrated SMA Male Connector\***

## For the Embedded Helical Family of Products

### Part Numbers:

<b>HC600E</b>	33-HC600E	
<b>HC771E</b>	33-HC771E-28 (28dB LNA)	
<b>HC871E</b>	33-HC871E-28 (28dB LNA)	
<b>HC872E</b>	33-HC872E-28 (28dB LNA)	33-HC872E-35 (35dB LNA)
<b>HC882E</b>	33-HC882E-28 (28dB LNA)	33-HC882E-35 (35dB LNA)
<b>HC976E</b>	33-HC976E-28 (28dB LNA)	33-HC976E-35 (35dB LNA)
<b>HC977E</b>	33-HC977E-28 (28dB LNA)	33-HC977E-35 (35dB LNA)

**\*All Embedded Helicals include an integrated MCX Straight Female Connector\***



## For the TW7000 Family of Products

**Part Number Structure :** 33-7aaa-xx-yyyy

● 7aaa = Product    ● xx = Connector    ● yyyy = Cable Length in mm (If Applicable)

### Valid Connectors (xx)

#### Without Cable:

07 = SMA Female (jack) bulkhead

#### With Cable:

00 = SMA Straight Male (plug)	15 = TNC male (plug)	26 = SMB Straight Female
02 = MCX Straight Male (plug)	16 = N-Type Male**	27 = MCX Straight Female
03 = MMCX Straight Male (plug)	17 = BNC Male**	28 = SSMCX Straight Plug**
04 = SMB Straight Male (plug)	18 = FME**	29 = R/A SSMCX Plug**
05 = MCX Right Angle Male (plug)	19 = MMCX Female	30 = SMB with Overmold**
06 = R/A MMCX male (plug)	20 = SMA Female	31 = SMC R/A Female**
10 = SMA Right Angle**	22 = R/A QMA**	35 = MMBX**
11 = Reverse Polarity SMA**	23 = SMP**	37 = R/A Male SMB**
12 = Waterproof SMA**	24 = SMC Male	38 = TNC Female
13 = SSMA**	25 = SMC Straight Female	

**NOTE:** To order the TW7000 antennas with No Magnet, add “NM” after the Product (eg. 33-7970NM-07).  
 To add Adhesive Tape to the bottom of the TW7000 , add “AT” after the Product (eg. 33-7970AT-07).  
 If you want both, No Magnet and Adhesive Tape, add “NMAT” after the Product (eg. 33-7970NMAT-07).

**Cable Length Tolerances:** <1m : ±3.0mm, 1m-4.9m: ±30mm, >5m: ±50mm

**Maximum Cable Length Included:** 5000mm

**\*\* Premiums apply. Please check with your Distributor.**

## For the TW8000 Family of Products

**Part Number Structure :** 33-8aaa-xx-yyyy

● 8aaa = Product    ● xx = Connector    ● yyyy = Cable Length in mm

### Valid Connectors

#### Cable Required:

00 = SMA Straight Male (plug)	15 = TNC male (plug)	26 = SMB Straight Female
02 = MCX Straight Male (plug)	16 = N-Type Male**	27 = MCX Straight Female
03 = MMCX Straight Male (plug)	17 = BNC Male**	28 = SSMCX Straight Plug**
04 = SMB Straight Male (plug)	18 = FME**	29 = R/A SSMCX Plug**
05 = MCX Right Angle Male (plug)	19 = MMCX Female	30 = SMB with Overmold**
06 = R/A MMCX male (plug)	20 = SMA Female	35 = MMBX**
10 = SMA Right Angle**	22 = R/A QMA**	37 = R/A Male SMB**
11 = Reverse Polarity SMA**	23 = SMP**	38 = TNC Female
12 = Waterproof SMA**	24 = SMC Male	
13 = SSMA**	25 = SMC Straight Female	

**NOTE:** To order the TW8000 antennas with No Magnet, add “NM” after the Product (eg. 33-8829NM-00-3000).  
 To add Adhesive Tape to the bottom of the TW8000, add “AT” after the Product (eg. 33-8829AT-00-3000).  
 If you want both, No Magnet and Adhesive Tape, add “NMAT” after the Product (eg. 33-8829NMAT-00-3000).

**Cable Length Tolerances:** <1m : ±3.0mm, 1m-4.9m: ±30mm, >5m: ±50mm

**Maximum Cable Length:** 5000mm

**\*\* Premiums apply. Please check with your Distributor.**

## For the TWA (AccuAuto™) Family of Products

### Part Number Structure :

33-AaaaL-xx-yyyy

- aaa = Product
- L = L-band corrections required (Optional)
- xx = Connector
- yyyy = Cable Length in mm

### Valid Connectors (xx)

#### Cabled Only:

00 = SMA Straight Male (plug)	15 = TNC male (plug)	26 = SMB Straight Female
02 = MCX Straight Male (plug)	16 = N-Type Male**	27 = MCX Straight Female
03 = MMCX Straight Male (plug)	17 = BNC Male**	28 = SSMCX Straight Plug**
04 = SMB Straight Male (plug)	18 = FME**	29 = R/A SSMCX Plug**
05 = MCX Right Angle Male (plug)	19 = MMCX Female	30 = SMB with Overmold**
06 = R/A MMCX male (plug)	20 = SMA Female	31 = SMC R/A Female**
10 = SMA Right Angle**	22 = R/A QMA**	35 = MMBX**
11 = Reverse Polarity SMA**	23 = SMP**	37 = R/A Male SMB**
12 = Waterproof SMA**	24 = SMC Male	38 = TNC Female
13 = SSMA**	25 = SMC Straight Female	

**Cable Length Tolerances:** <1m : ±3.0mm, 1m-4.9m: ±30mm, >5m: ±50mm

**Maximum Cable Length:** 5000mm

**\*\* Premiums apply. Please check with your Distributor.**

## For the **VeroStar** Pole Mount Family of Products

**Part Number Structure :** 33-VSP6x37L-zz

● x = GNSS Band

● L = L-band corrections required (Optional)

● zz = Mount

**x = GNSS Band:**

0 = Full Spectrum  
 2 = Dual Band (L1/L2)  
 3 = Triple Band

**zz = Mount:**

01 = 1" x 14tpi  
 58 = 5/8" x 11tpi (Premium Applies)

**LNA Gain:** 37dB

**Connector:** TNC Female

## For the **VeroStar** Surface Mount Family of Products

**Part Number Structure :** 33-VSS6x37L

● x = GNSS Band

● L = L-band corrections required (Optional)

**x = GNSS Band:**

0 = Full Spectrum  
 3 = Triple Band

**Mount:** 4 screws

**LNA Gain:** 37dB

**Connector:** TNC Female

## For the VeroStar Embedded-Standard Family of Products

**Part Number Structure :** 33-VSE6x37L

● x = GNSS Band

● L = L-band corrections required (Optional)

**x = GNSS Band:**  
 0 = Full Spectrum  
 3 = Triple Band

**Connector:** MCX Straight Female  
**LNA Gain:** 28dB  
**Mount:** 8 Screws

**CONTACT TALLYSMAN BEFORE ORDERING!**

## For the VeroStar Embedded-Mini Family of Products

**Part Number Structure :** 33-VSM6x37L-ppp

● x = GNSS Band

● L = L-band corrections required (Optional)

● p = PCB Diameter

**x = GNSS Band:**  
 0 = Full Spectrum  
 3 = Triple Band

**p = PCB Diameter**  
 090 = 090mm PCB  
 106 = 106mm PCB

**Connector:** MCX Straight Female  
**LNA Gain:** 28dB  
**Mount:** 8 Screws

**CONTACT TALLYSMAN BEFORE ORDERING!**

## Cable Assembly

**Part Number Structure :** 27-XX-ZZZZ-XX-YYYYY

- XX = Connector Type (up to 2)
- ZZZZ = Cable length in mm
- YYYYY = Cable Type (eg RG174, LMR100, RG58, RG316)

### Valid Connectors (xx)

00 = SMA Straight Male (plug)	15 = TNC male (plug)	26 = SMB Straight Female
02 = MCX Straight Male (plug)	16 = N-Type Male	27 = MCX Straight Female
03 = MMCX Straight Male (plug)	17 = BNC Male	28 = SSMCX Straight Plug
04 = SMB Straight Male (plug)	18 = FME	29 = R/A SSMCX Plug
05 = MCX Right Angle Male (plug)	19 = MMCX Female	30 = SMB with Overmold
06 = R/A MMCX male (plug)	20 = SMA Female	35 = MMBX
10 = SMA Right Angle	22 = R/A QMA	37 = R/A Male SMB
11 = Reverse Polarity SMA	23 = SMP	38 = TNC Female
12 = Waterproof SMA	24 = SMC Male	
13 = SSMA	25 = SMC Straight Female	