

Field Bulletin Identification of Taps and Passives for Field Upgrade to Cisco 1.25 GHz Fiber Deep Networks

PB737774

Purpose

This notice is intended to allow customers to identify which of the legacy Cisco® and Scientific-Atlanta 1 GHz taps and passives are compatible with the new Cisco 1.25 GHz Flexible Solutions Taps (FSTs). This notice also directs the customer about what must be done to taps after they have been identified using the information in Tables 1 and 2 to modify them to be 1.25 GHz taps that are suitable for a fiber deep network.

Table 1. Cisco 1.25 GHz Flexible Solutions Taps and Passives

Tap Type	Tap Model Number/PID	Faceplate-Only Model Number/PID
2 way	SG-FST-2-XX-STD	SG-FST-2-XX-SFP
4 way	SG-FST-4-XX-STD	SG-FST-4-XX-SFP
2 way full profile	SG-FST-2-XX-FP	SG-FST-2-XX-FFP
4 way full profile	SG-FST-4-XX-FP	SG-FST-4-XX-FFP
8 way full profile	SG-FST-8-XX-FP	SG-FST-8-XX-FFP
Passive Type		
Splitters/directional couplers/power inserter	SG-PASSIVES-XX	-
Line equalizers with reverse conditioning	SG-LEQ-RC-XXXX-XX	-

Table 2. Legacy Tap/Passive and Back Housing Compatibility with 1.25 GHz Products

Tap Family	PIDs	Compatibility with 1.25 GHz Faceplate	Bypass Circuit
1 GHz taps	506634–506660	No	No
1 GHz multimedia taps	541741–541766	Yes	Yes
1 GHz multimedia full-profile taps	594775–594791	Yes	Yes
1 GHz multimedia reverse window taps	734816–734824	Yes	Yes
1 GHz multimedia reverse window full-profile taps	741830–741835	Yes	Yes
1 GHz surge gap taps	753370–753386	Yes	Yes
1 GHz surge gap full-profile taps	753418–753434 and 753387–753393	Yes	Yes
1 GHz surge gap reverse window taps	753452–753460	Yes	Yes
1 GHz surge gap reverse window full-profile taps	753470–753475	Yes	Yes
1 GHz flexible solutions taps	4013433–4013443 and 4013464–4013467	Yes	Yes
1 GHz flexible solutions full-profile taps	4013448–4013458, 4013444–4013447, and 4018368–4018371	Yes	Yes

Passive Family	PIDs	Compatibility with 1.25 GHz Faceplate?	Bypass Circuit
1 GHz passives	506661–506667	Yes	-
1 GHz multimedia passives	544832–544838	Yes	-
750 MHz LEQ-RC	574132	No	-
870 MHz LEQ-RC	714243	No	-
1 GHz LEQ-RC	4008461, 4008462, 4010310, and 4010311	Yes	-

* If a tap is identified as one that contains the bypass circuitry, but is not already a 1.25 GHz tap, a simple faceplate change is all that is required to make the tap into a 1.25 GHz tap. The existing back housing can be used with the new 1.25 GHz faceplate.

However, if the tap is identified as one that does not already contain the bypass circuitry, then you will need to replace the entire tap, including the back housing, with a new 1.25 GHz tap.

Legacy Tap Identification Features

- **PIDs:** The 1 GHz taps that should be replaced (including backhousing) would be in the part number range of 506634 through 506660. These part numbers would be seen on the label for the taps. Figure 1 shows the 1 GHz taps.

Figure 1. 1 GHz Taps



- **Additional identifiers:** Note that for the 2-port and 4-port taps shown in Figure 1 that the faceplate label is shorter than that of more recent taps shown in Figure 2. If the part number on the tap is not legible, you can still identify the original 1 GHz taps by their shorter labels. You can see in Figure 2 that the later version of taps (those with the bypass circuit) have clearly longer labels on the 2-way and 4-way taps. The length difference is less visible on the 8-way taps.

Figure 2. Surge Gap Taps



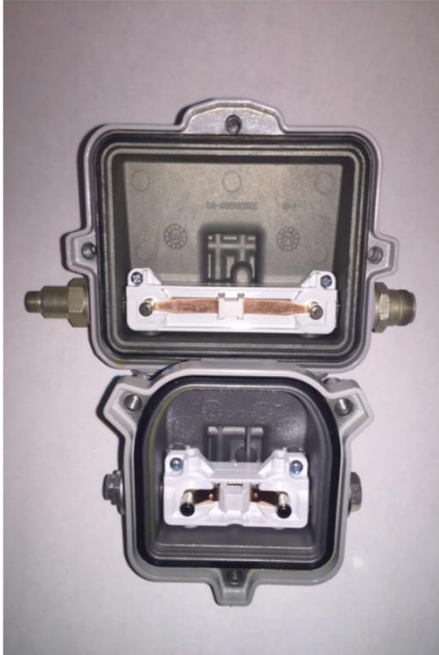
- Any tap that contains the bypass circuitry would also be identifiable by the blue dot label, which can be seen on the back housing, as shown in Figure 3.

Figure 3. Back Housing



- The definitive identifier of taps with and without the bypass circuit would be the removal of the faceplate to see if the bypass circuitry is present inside the tap. The circuitry is easily identifiable, as shown in Figure 4.

Figure 4. Circuitry



The bypass circuit switching is identifiable by the copper bar that spans between the two posts that engage the faceplate when it is installed. If the copper bar and plunger mechanism are not present, then the tap does not have the bypass switch.




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