

GigaXtend

GMC (GainMaker® Compatible) Amplifier Accessories

The ATX GigaXtend™ GMC Series amplifier accessories are plug-in devices common to all Cisco or ATX GainMaker System Amplifiers and Line Extenders. They are typically field-installed in accordance with system design. This document includes the accessories used in products designed for 750, 870, 1002, and 1218 MHz systems.



GMC Amplifier Accessories
Forward Equalizers



Inverse Equalizers



Pads (attenuators)



Reverse Equalizers



Signal Directors

Forward Cable Equalizers

Forward cable equalizers produce a tilted frequency response opposite of that produced by coaxial cable. They are normally used during station balancing to counteract the tilt produced by coaxial cable, in order to achieve the desired output tilt. An equalizer's "dB value" indicates the equivalent length of cable (in dB, at rated high frequency) that the equalizer is designed to offset. The dB value and rated high frequency (750, 870, 1002, or 1218MHz) are printed on the top of each equalizer. The amount of tilt (in dB) that the equalizer produces from low to high frequency is printed on the side of each equalizer.

Specifications

Forward Cable Equalizers

		1218MHz (Green Cover)													
EQ Value (dB)	Part Number	Typical Insertion Loss (dB) at Various Frequencies (MHz)													
		52	70	86	105	204	258	550	600	650	750	870	1002	1100	1218
0.0	GAGM-EQC-1.2G-0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.5	GAGM-EQC-1.2G-1.5	2.23	2.19	2.15	2.11	1.95	1.87	1.55	1.50	1.45	1.37	1.27	1.16	1.09	1.00
3.0	GAGM-EQC-1.2G-3	3.5	3.4	3.3	3.2	2.9	2.7	2.1	2.0	1.9	1.7	1.5	1.3	1.2	1.0
4.5	GAGM-EQC-1.2G-4.5	4.7	4.6	4.4	4.3	3.8	3.6	2.6	2.5	2.4	2.1	1.8	1.5	1.3	1.0
6.0	GAGM-EQC-1.2G-6	5.9	5.7	5.6	5.4	4.8	4.5	3.2	3.0	2.8	2.5	2.1	1.6	1.3	1.0
7.5	GAGM-EQC-1.2G-7.5	7.2	6.9	6.7	6.6	5.7	5.4	3.7	3.5	3.2	2.8	2.3	1.8	1.4	1.0
9.0	GAGM-EQC-1.2G-9	8.4	8.1	7.9	7.7	6.7	6.2	4.3	4.0	3.7	3.2	2.6	2.0	1.5	1.0
10.5	GAGM-EQC-1.2G-10.5	9.6	9.3	9.0	8.8	7.6	7.1	4.8	4.5	4.2	3.6	2.9	2.1	1.6	1.0
12.0	GAGM-EQC-1.2G-12	10.8	10.5	10.2	9.9	8.6	8.0	5.4	5.0	4.6	3.9	3.1	2.3	1.7	1.0
13.5	GAGM-EQC-1.2G-13.5	12.1	11.7	11.3	11.0	9.5	8.9	5.9	5.5	5.1	4.3	3.4	2.4	1.8	1.0
15.0	GAGM-EQC-1.2G-15	13.3	12.9	12.5	12.1	10.5	9.7	6.5	6.0	5.5	4.6	3.6	2.6	1.9	1.0
16.5	GAGM-EQC-1.2G-16.5	14.5	14.0	13.7	13.2	11.4	10.6	7.0	6.5	6.0	5.0	3.9	2.8	1.9	1.0
18.0	GAGM-EQC-1.2G-18	15.8	15.2	14.8	14.3	12.4	11.5	7.6	7.0	6.4	5.4	4.2	2.9	2.0	1.0
19.5	GAGM-EQC-1.2G-19.5	17.0	16.4	16.0	15.4	13.3	12.3	8.1	7.5	6.9	5.7	4.4	3.1	2.1	1.0
21.0	GAGM-EQC-1.2G-21	18.2	17.6	17.1	16.6	14.3	13.2	8.7	8.0	7.3	6.1	4.7	3.2	2.2	1.0
22.5	GAGM-EQC-1.2G-22.5	20.0	19.3	18.8	18.2	15.2	14.1	9.7	9.0	8.3	7.0	5.5	3.9	2.8	1.0
24.0	GAGM-EQC-1.2G-24	21.2	20.5	19.9	19.3	16.2	15.0	10.3	9.5	8.8	7.3	5.7	4.1	2.9	1.0
25.5	GAGM-EQC-1.2G-25.5	22.4	21.7	21.1	20.4	17.1	15.8	10.8	10.0	9.2	7.7	6.0	4.2	3.0	1.0
27.0	GAGM-EQC-1.2G-27	23.6	22.8	22.2	21.5	18.1	16.7	11.3	10.5	9.7	8.1	6.3	4.4	3.0	1.0
28.5	GAGM-EQC-1.2G-28.5	24.9	24.0	23.4	22.6	19.0	17.6	11.9	11.0	10.1	8.4	6.5	4.5	3.1	1.5
30.0	GAGM-EQC-1.2G-30	26.1	25.2	24.5	23.7	20.0	18.4	12.5	11.5	10.6	8.8	6.8	4.7	3.2	1.5

Forward Cable Equalizers

		1002MHz (Blue Cover)								
EQ Value (dB)	Part Number	Typical Insertion Loss (dB) at Various Frequencies (MHz)								
		52	70	86	550	600	650	750	870	1002
0.0	GAGM-EQC-1G-0	-	-	-	-	-	-	-	-	-
1.5	GAGM-EQC-1G-1.5	2.2	2.2	2.1	1.4	1.4	1.3	1.2	1.1	1.0
3.0	GAGM-EQC-1G-3	3.4	3.3	3.2	1.9	1.8	1.7	1.5	1.2	1.0
4.5	GAGM-EQC-1G-4.5	4.6	4.4	4.3	2.3	2.1	2.0	1.7	1.4	1.0
6.0	GAGM-EQC-1G-6	5.8	5.6	5.4	2.7	2.5	2.3	1.9	1.5	1.0
7.5	GAGM-EQC-1G-7.5	7.0	6.7	6.5	3.2	2.9	2.6	2.1	1.6	1.0
9.0	GAGM-EQC-1G-9	8.2	7.9	7.7	3.6	3.3	3.0	2.4	1.7	1.0
10.5	GAGM-EQC-1G-10.5	9.4	9.0	8.8	4.0	3.7	3.3	2.6	1.8	1.0
12.0	GAGM-EQC-1G-12	10.6	10.2	9.9	4.5	4.0	3.6	2.8	1.9	1.0
13.5	GAGM-EQC-1G-13.5	11.8	11.3	11.0	4.9	4.4	3.9	3.1	2.0	1.0
15.0	GAGM-EQC-1G-15	13.0	12.5	12.1	5.3	4.8	4.3	3.3	2.2	1.0
16.5	GAGM-EQC-1G-16.5	14.2	13.6	13.2	5.8	5.2	4.6	3.5	2.3	1.0
18.0	GAGM-EQC-1G-18	15.4	14.8	14.3	6.2	5.5	4.9	3.7	2.4	1.0
19.5	GAGM-EQC-1G-19.5	16.6	15.9	15.4	6.6	5.9	5.3	4.0	2.5	1.0
21.0	GAGM-EQC-1G-21	17.8	17.1	16.5	7.1	6.3	5.6	4.2	2.6	1.0
22.5	GAGM-EQC-1G-22.5	19.5	18.7	18.1	8.0	7.2	6.4	4.9	3.2	1.5
24.0	GAGM-EQC-1G-24	20.7	19.9	19.2	8.4	7.6	6.7	5.2	3.4	1.5
25.5	GAGM-EQC-1G-25.5	21.9	21.0	20.3	8.8	7.9	7.1	5.4	3.5	1.5
27.0	GAGM-EQC-1G-27	23.1	22.2	21.5	9.3	8.4	7.4	5.6	3.6	1.5
28.5	GAGM-EQC-1G-28.5	24.3	23.3	22.6	9.7	8.7	7.7	5.8	3.7	1.5
30.0	GAGM-EQC-1G-30	25.5	24.5	23.7	10.1	9.1	8.0	6.1	3.8	1.5

Forward Linear Equalizers

Forward linear equalizers produce linear tilt. A linear equalizer should be used in the plug-in input or interstage equalizer location if a node output tilt does not have the desired station output tilt. The EQ value is the amount of tilt from lowest to highest frequency (52 – 1002 or 1218MHz).

Specifications

Forward Linear Equalizers

		1218MHz (Green Cover)												
EQ Value (dB)	Part Number	Typical Insertion Loss (dB) at Various Frequencies (MHz)												
		52	70	86	105	204	258	550	600	750	870	1000	1100	1218
0.0	GAGM-EQL-1.2G-0	-	-	-	-	-	-	-	-	-	-	-	-	-
1.5	GAGM-EQL-1.2G-1.5	2.5	2.5	2.5	2.4	2.3	2.2	1.9	1.8	1.6	1.4	1.3	1.1	1.0
3.0	GAGM-EQL-1.2G-3	4.0	4.0	3.9	3.9	3.6	3.5	2.7	2.6	2.2	1.9	1.6	1.3	1.0
4.5	GAGM-EQL-1.2G-4.5	5.5	5.4	5.4	5.3	4.9	4.7	3.6	3.4	2.8	2.3	1.8	1.4	1.0
6.0	GAGM-EQL-1.2G-6	7.0	6.9	6.8	6.7	6.2	5.9	4.4	4.2	3.4	2.8	2.1	1.6	1.0
7.5	GAGM-EQL-1.2G-7.5	8.5	8.4	8.3	8.2	7.5	7.2	5.3	5.0	4.0	3.2	2.4	1.7	1.0
9.0	GAGM-EQL-1.2G-9	10.0	9.9	9.8	9.6	8.8	8.4	6.1	5.8	4.6	3.7	2.6	1.9	1.0
10.5	GAGM-EQL-1.2G-10.5	11.5	11.3	11.2	11.0	10.1	9.6	7.0	6.5	5.2	4.1	2.9	2.0	1.0
12.0	GAGM-EQL-1.2G-12	13.0	12.8	12.6	12.5	11.4	10.9	7.9	7.3	5.8	4.5	3.2	2.2	1.0
13.5	GAGM-EQL-1.2G-13.5	14.5	14.3	14.1	13.9	12.7	12.1	8.7	8.1	6.4	5.0	3.5	2.3	1.0
15.0	GAGM-EQL-1.2G-15	16.0	15.8	15.6	15.3	14.0	13.4	9.6	8.8	7.0	5.4	3.7	2.5	1.0
16.5	GAGM-EQL-1.2G-16.5	17.5	17.2	17.0	16.7	15.4	14.6	10.4	9.7	7.6	5.9	4.0	2.6	1.0
18.0	GAGM-EQL-1.2G-18	19.0	18.7	18.5	18.2	16.7	15.8	11.3	10.5	8.2	6.3	4.3	2.7	1.0
19.5	GAGM-EQL-1.2G-19.5	20.7	20.4	20.1	19.8	18.0	17.1	12.3	11.5	9.0	7.0	4.8	3.1	1.2
21.0	GAGM-EQL-1.2G-21	22.2	21.9	21.6	21.2	19.3	18.3	13.2	12.3	9.6	7.4	5.0	3.2	1.2
22.5	GAGM-EQL-1.2G-22.5	23.7	23.7	23.0	22.7	20.6	19.5	14.0	13.1	10.2	7.8	5.3	3.4	1.2
24.0	GAGM-EQL-1.2G-24	24.8	24.8	24.5	24.1	21.9	20.8	14.9	13.9	10.8	8.3	5.6	3.5	1.2

Inverse Equalizers

Forward inverse equalizers produce cable equivalent tilt. An inverse equalizer is normally used in place of a forward input equalizer during station balancing when an amplifier is short spaced to achieve the desired output tilt. An inverse equalizer's "dB value" indicates the amount of tilt (in dB) that would produce similar tilt (loss differential from low to high frequency). As with other equalizers, the 750, 870, 1002, and 1218MHz inverse equalizer values are printed on the top of each inverse equalizer.

Inverse Equalizers

		1218MHz (Green Cover)												
EQ Value (dB)	Part Number	Typical Insertion Loss (dB) at Various Frequencies (MHz)												
		52	70	86	105	204	258	550	600	650	750	870	1002	1218
1.5	GAGM-EQIN-1.2G-1.5	1.0	1.1	1.1	1.3	1.4	1.7	1.7	1.8	1.9	1.9	2.0	2.1	2.2
3.0	GAGM-EQIN-1.2G-3	1.0	1.1	1.2	1.2	1.6	1.7	2.4	2.5	2.6	2.7	2.9	3.1	3.5
4.5	GAGM-EQIN-1.2G-4.5	1.0	1.1	1.3	1.4	1.9	2.1	3.1	3.2	3.3	3.6	3.9	4.2	4.7
6.0	GAGM-EQIN-1.2G-6	1.0	1.2	1.3	1.5	2.1	2.4	3.7	3.9	4.1	4.5	4.9	5.3	5.9
7.5	GAGM-EQIN-1.2G-7.5	1.0	1.2	1.4	1.6	2.4	2.8	4.4	4.7	4.9	5.3	5.8	6.4	7.2
9.0	GAGM-EQIN-1.2G-9	1.0	1.3	1.5	1.7	2.7	3.2	5.1	5.4	5.7	6.2	6.8	7.4	8.4
10.5	GAGM-EQIN-1.2G-10.5	1.0	1.3	1.6	1.8	3.0	3.5	5.8	6.1	6.4	7.1	7.8	8.5	9.6
12.0	GAGM-EQIN-1.2G-12	1.0	1.4	1.7	2.0	3.3	3.9	6.5	6.9	7.2	7.9	8.7	9.6	10.9
13.5	GAGM-EQIN-1.2G-13.5	1.0	1.4	1.7	2.1	3.6	4.2	7.2	7.6	8.0	8.8	9.7	10.6	12.1
15.0	GAGM-EQIN-1.2G-15	1.0	1.5	1.8	2.2	3.8	4.6	7.8	8.3	8.8	9.7	10.7	11.7	13.3
16.5	GAGM-EQIN-1.2G-16.5	1.0	1.5	1.9	2.3	4.1	5.0	8.5	9.1	9.6	10.5	11.6	12.8	14.6
18.0	GAGM-EQIN-1.2G-18	1.0	1.5	2.0	2.4	4.4	5.3	9.2	9.8	10.3	11.4	12.6	13.8	15.8
19.5	GAGM-EQIN-1.2G-19.5	1.0	1.6	2.1	2.6	4.7	5.7	9.9	10.5	11.1	12.3	13.6	14.9	17.0
21.0	GAGM-EQIN-1.2G-21	1.0	1.6	2.1	2.7	5.0	6.0	10.6	11.2	11.9	13.1	14.5	16.0	18.2

Specifications

Inverse Equalizers

		1002MHz (Blue Cover)								
EQ Value (dB)	Part Number	Typical Insertion Loss (dB) at Various Frequencies (MHz)								
		52	70	86	550	600	650	750	870	1002
1.6	GAGM-EQIN-1G-1.6	1.0	1.1	1.1	1.8	1.9	1.9	2.1	2.2	2.3
3.3	GAGM-EQIN-1G-3.3	1.0	1.1	1.2	2.7	2.8	2.9	3.1	3.3	3.6
4.9	GAGM-EQIN-1G-4.9	1.0	1.2	1.3	3.5	3.7	3.8	4.2	4.5	4.9
6.5	GAGM-EQIN-1G-6.5	1.0	1.2	1.4	4.3	4.6	4.8	5.2	5.7	6.2
8.1	GAGM-EQIN-1G-8.1	1.0	1.3	1.5	5.2	5.4	5.7	6.3	6.9	7.5
9.8	GAGM-EQIN-1G-9.8	1.0	1.3	1.6	6.0	6.3	6.7	7.3	8.0	8.8
11.4	GAGM-EQIN-1G-11.4	1.0	1.4	1.7	6.8	7.2	7.6	8.4	9.2	10.1
13.0	GAGM-EQIN-1G-13.0	1.0	1.4	1.8	7.6	8.1	8.6	9.4	10.4	11.4
14.6	GAGM-EQIN-1G-14.6	1.0	1.5	1.9	8.5	9.0	9.5	10.5	11.6	12.7
16.2	GAGM-EQIN-1G-16.2	1.0	1.5	2.0	9.3	9.9	10.4	11.5	12.7	14.0

Reverse Equalizers

Reverse equalizers produce a tilted frequency response opposite of that produced by coaxial cables. They are normally used during station balancing to counteract the tilt produced by coaxial cables, in order to achieve desired tilt. An equalizer's "dB value" indicates the amount of tilt (in dB at rated high frequency) the equalizer is designed to offset. The dB value and rated high frequency (42, 85 ,204MHz) are printed on the top of each equalizer. The amount of tilt (in dB) that the equalizer produces from low to high frequency is printed on the side of each equalizer.

Reverse Equalizers - 42MHz

42 MHz EQs are Used in GainMaker Amplifiers with Either a 40/52 or 42/54MHz Reverse/Forward Bandsplit.				
EQ Value (dB) 40MHz	EQ Value (dB) 42MHz	Part Number	Typical Insertion Loss (dB)	
			5MHz	42MHz
0	0	GAGM-EQREV-204M-0	-	-
1	1	GAGM-EQREV-42M-1	1.7	1.0
2	2	GAGM-EQREV-42M-2	2.3	1.0
3	3.1	GAGM-EQREV-42M-3	3.0	0.9
4	4.1	GAGM-EQREV-42M-4	3.6	0.9
5	5.1	GAGM-EQREV-42M-5	4.3	0.9
6	6.1	GAGM-EQREV-42M-6	4.9	0.9
7	7.2	GAGM-EQREV-42M-7	5.6	0.8
8	8.2	GAGM-EQREV-42M-8	6.2	0.8
9	9.2	GAGM-EQREV-42M-9	6.9	0.8
10	10.2	GAGM-EQREV-42M-10	7.5	0.8
11	11.3	GAGM-EQREV-42M-11	8.2	0.7
12	12.3	GAGM-EQREV-42M-12	8.9	0.7

Reverse Equalizers- 85MHz

85MHz EQs are Used in GainMaker Amplifiers with a 85/102 Reverse/Forward Bandsplit.			
EQ Value (dB)	Part Number	Typical Insertion Loss (dB)	
		5MHz	85MHz
0	GAGM-EQREV-204M-0	-	-
1	GAGM-EQREV-85M-1	1.8	1.0
2	GAGM-EQREV-85M-2	2.3	1.0
3	GAGM-EQREV-85M-3	3.3	1.0
4	GAGM-EQREV-85M-4	4.1	1.0
5	GAGM-EQREV-85M-5	4.8	1.0
6	GAGM-EQREV-85M-6	5.6	1.0
7	GAGM-EQREV-85M-7	6.4	1.0
8	GAGM-EQREV-85M-8	7.1	1.0
9	GAGM-EQREV-85M-9	7.9	1.0
10	GAGM-EQREV-85M-10	8.7	1.0
11	GAGM-EQREV-85M-11	9.4	1.0
12	GAGM-EQREV-85M-12	10.2	1.0

Reverse Equalizers- 204 MHz

204MHz EQs are Used in GainMaker Amplifiers with a 204/258 Reverse/Forward.			
EQ Value (dB)	Part Number	Typical Insertion Loss (dB)	
		5MHz	204MHz
0	GAGM-EQREV-204M-0	-	-
1	GAGM-EQREV-204M-1	1.9	1.0
2	GAGM-EQREV-204M-2	2.7	1.0
3	GAGM-EQREV-204M-3	3.6	1.0
4	GAGM-EQREV-204M-4	4.4	1.0
5	GAGM-EQREV-204M-5	5.3	1.0
6	GAGM-EQREV-204M-6	6.1	1.0
7	GAGM-EQREV-204M-7	7.0	1.0
8	GAGM-EQREV-204M-8	7.8	1.0
9	GAGM-EQREV-204M-9	8.7	1.0
10	GAGM-EQREV-204M-10	9.5	1.0
11	GAGM-EQREV-204M-11	10.4	1.0
12	GAGM-EQREV-204M-12	11.2	1.0

Reverse Thermal Equalizers

Reverse Thermal Equalizers Can be Used in GainMaker Amplifiers with Either a 40/52 or 42/54MHz Reverse/Forward Bandsplit. Reverse Thermal Equalizers Compensate for Variations in Cable Loss Due to Changes in Temperature				
EQ Value (dB)	Inverse EQ Value (dB) 750	Part Number	Typical Insertion Loss (dB) ⁽¹⁾	
			5MHz	42MHz
1	1	GAGM-EQREVT-42M-1	2.3	1.6
2	2	GAGM-EQREVT-42M-2	3.0	1.7
3	3.1	GAGM-EQREVT-42M-3	3.9	1.8
4	4.1	GAGM-EQREVT-42M-4	4.6	1.9
5	5.1	GAGM-EQREVT-42M-5	5.2	1.8
6	6.1	GAGM-EQREVT-42M-6	5.8	1.8
7	7.2	GAGM-EQREVT-42M-7	6.5	1.7
8	8.2	GAGM-EQREVT-42M-8	7.2	1.8

NOTES:

(1) Reverse Thermal Equalizer specifications reflect typical performance and are referenced to 77° F (25°C).

Signal Directors

Signal directors are used in the High Gain Dual system amplifiers only. One signal director is required per amplifier to route and/or split forward RF signal to the Auxiliary output port(s). The signal director is available in splitter, DC-8, or DC-12 configurations for splitting the Auxiliary path signal to feed both Auxiliary ports, or as a jumper for routing all signals to a selected port.

Specifications

Signal Directors

			1218MHz (Green Cover)									
Type	Part Number	Tap/Thru Leg	Typical Insertion Loss (dB) at Various Frequencies (MHz)									
			52	70	86	550	600	650	750	870	1002	1218
Jumper	GAGM-SD-1.2G-JMP=	Aux 2	0.1	0.1	0.1	0.2	0.25	0.3	0.3	0.3	0.3	0.4
		Aux 1	0.1	0.1	0.1	0.3	0.3	0.4	0.4	0.45	0.45	0.6
2-way splitter	GAGM-SD-1.2G-SPLT=	Aux 2	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.8
		Aux 1	3.7	3.7	3.7	4.0	4.0	4.0	4.0	4.1	4.1	4.1
DC-8	GAGM-SD-1.2G-DC8=	Thru	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.1	2.1	2.1
		Tap	8.3	8.3	8.3	8.3	8.3	8.3	8.1	8.1	8.5	8.5
DC-12	GAGM-SD-1.2G-DC12=	Thru	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.2	1.5	1.9
		Tap	11.8	11.8	11.8	11.8	11.8	11.7	11.7	11.7	11.8	12.1

NOTES:

The GainMaker plug-in signal director produces loss in the forward signal path only. The signal director is physically located inboard of the forward/reverse duplex filters in the forward path of the amplifier. Therefore, there are no reverse path losses associated. Auxiliary port reverse input pad values must be selected accordingly during system design when using the splitter, DC-8, or DC-12 signal director in a station.

System Trim

A plug-in system trim may be used to counter the frequency response effects of some passive devices in the coaxial plant.

Fuse Kits/Surge Protectors

Part Number	Description
System Amplifier	
GAGMSA-FUSE-SK	Shunt Plug in for fuse position
GAGMSA-FUSE-15A	Slow Blow Fuse Kit, 15 amp (contains 4 fuses)
GAGMSA-CRWBR-S	Crowbar Surge Protector
Line Extender	
GAGMLE-FUSE-SK	Shunt Plug in for fuse position
GAGMLE-FUSE-8A	Slow Blow Fuse Kit, 8 amp (contains 2 fuses)
GAGMLE-FUSE-15A	Slow Blow Fuse Kit, 15 amp (contains 2 fuses)
GAGMSA-CRWBR-S	Crowbar Surge Protector

Test Point Adapter

Part Number	Description
GAGM-1.2G-LONGF81=	Long-Reach Test Point Adapter

Pad (attenuators)

Plug-in pads produce flat (even) loss across the forward and reverse frequency spectrums. Pads are used during station balancing to adjust signal levels as needed. The (dB) loss produced is equal to the pad value printed on the top of the pad. The Pad with "75 Ω" printed on the top will work as a 75 Ohm terminator.

1218MHz pads (Attenuators)

Pad Value (dB)	Part Number	Pad Value (dB)	Part Number
0	GAGM-PAD-1.2G-00=	11	GAGM-PAD-1.2G-11.0=
1	GAGM-PAD-1.2G-1.0=	12	GAGM-PAD-1.2G-12.0=
2	GAGM-PAD-1.2G-2.0=	13	GAGM-PAD-1.2G-13.0=
3	GAGM-PAD-1.2G-3.0=	14	GAGM-PAD-1.2G-14.0=
4	GAGM-PAD-1.2G-4.0=	15	GAGM-PAD-1.2G-15.0=
5	GAGM-PAD-1.2G-5.0=	16	GAGM-PAD-1.2G-16.0=
6	GAGM-PAD-1.2G-6.0=	17	GAGM-PAD-1.2G-17.0=
7	GAGM-PAD-1.2G-7.0=	18	GAGM-PAD-1.2G-18.0=
8	GAGM-PAD-1.2G-8.0=	19	GAGM-PAD-1.2G-19.0=
9	GAGM-PAD-1.2G-9.0=	20	GAGM-PAD-1.2G-20.0=
10	GAGM-PAD-1.2G-10.0=		
75 ohm terminator	GAGM-PAD-1.2G-75=		

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