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Tech Note

New pin definitions for the DFP-D3000 AUTOMATION connector for units having firmware v2.60 and later.

Product: DFP-D3000.
 S/N: All units with firmware version 2.60 and higher.
 Document: **TN99042801**, CC
 Summary: New definitions of DFP-3000 AUTOMATION connector pins that result from new firmware, v2.60 and later.

A number of new features and improvements have been made in firmware v2.60 and later. In order to do this, a number of the pins on the AUTOMATION connector have been changed and have improved functions. Below is a list of all the pins, with changes highlighted.

Pin	Function	Signal
1	Chassis Ground	GND
2	Projector 1 Motor Start	Input: Low = MOTOR 1 RUNNING
3	Master Mute command	Input pulse: Low = MUTE or UNMUTE
4	Preset 1 Select (and tally pulldown)	Input pulse: Low = SELECT
5	Preset 2 Select (and tally pulldown)	Input pulse: Low = SELECT
6	Preset 3 Select (and tally pulldown)	Input pulse: Low = SELECT
7	Preset 4 Select (and tally pulldown)	Input pulse: Low = SELECT
8	Preset 5 Select (and tally pulldown)	Input pulse: Low = SELECT
9	Preset 6 Select (and tally pulldown)	Input pulse: Low = SELECT
10	Preset 7 Select (and tally pulldown)	Input pulse: Low = SELECT
11	Preset 8 Select (and tally pulldown)	Input pulse: Low = SELECT
12	Motor 1	Output tally: Low = MOTOR 1 RUNNING
13	Motor 2	Output tally: Low = MOTOR 2 RUNNING
14, 15	Logic Common	0 V
16, 17	Tally Common	0 V
18	Optical Change Over Command	Input: Low = PEC 2, High = PEC 1
19	Optical Change Over Tally	Output tally: Low = PEC 2 selected
20	Projector 1 Tally	Output tally: Low = SDDS Reader 1
21	Projector 2 Tally	Output tally: Low = SDDS Reader 2
22	Master Mute Tally	Output tally: Low = Master muted
23	Pink Noise	Input: Low = ON
24-29	Reserved	No Connections
30	+5V	Power
31	-5V	Power
32	SDDS Data OK (any preset active)	Output pulse: Low = SDDS OK
33	Projector 2 Motor Start	Input: Low = MOTOR 2 RUNNING
34	AUX1 Digital Data OK	Input: Low = Data OK
35	AUX2 Digital Data OK	Input: Low = Data OK
36	SDDS Data not OK	Output pulse: Low = SDDS NG
37	Reserved	