

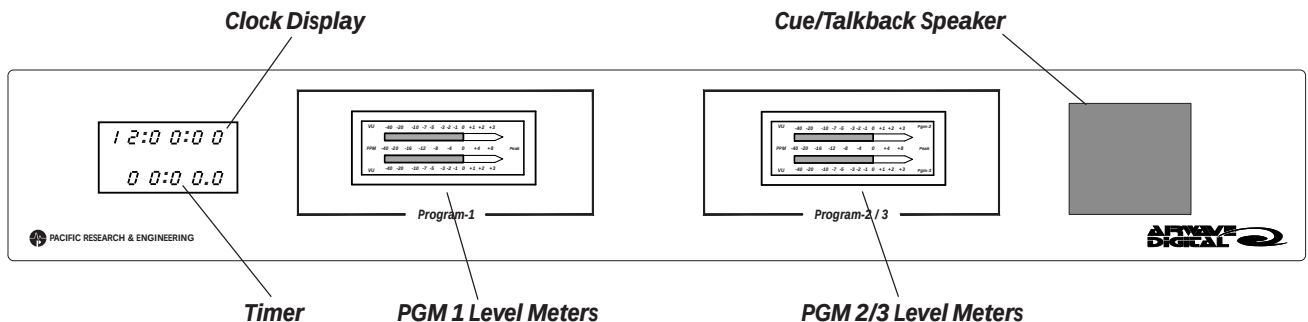
Mainframe Parts



AWD-12 mainframe: 99-1000-1CU

AWD-20 mainframe: 99-1000-2CU

AirWave Universal power supply: 99-1015-1 (115V), -1X (230V)



METER PANEL

AWD-12 meter panel assembly: 90-1151-1 *

Silkscreened metal only: 80-1621-1

AWD-20 meter panel assembly: 90-1151-2 *

Silkscreened metal only: 80-1621-2

Hinge: 33-285

Latch: 33-286

Clock/timer 12-hour: 95-895-1

Microcontroller IC: 21-122-1

Clock/timer 24-hour: 95-895-2

Microcontroller IC: 21-122-2

7-Segment Display: 12-54

Bargraph meter Assembly: 95-1011

Lexan Overlay: 80-1622

10-LED Display: 12-59

Microcontroller: 22-54-1

Cue/talkback speaker: 23-2

WIRING

Power supply cable: 90-1076-1

Connector housing: 15-914

Contacts: 15-878

Clock/timer cable: 90-1077-x #

Cue speaker cable: 90-1078-x #

Bargraph meter cable: 90-1143-x #

Pgm-1 monitor cable: 90-1153

Monitor PCA, 8-wire jumper : 90-1086

Monitor PCA, 12-wire jumper : 90-1087

FRAME

Chassis assembly: 90-1150-x #

Bottom chassis weldment: 80-1623-x #

Chassis rear panel: 80-1558-x #

Bullnose: 80-1561-xCU #

Left end panel: 80-1560-1CU

Right end panel: 80-1560-2CU

Blank module panel: 80-1551

Extender card: 99-1014

Motherboard assy., right end: 95-1009

(NOTE: DC supply cable not included)

Motherboard assy., left end: 95-1007

Motherboard assy., mid (AWD-20 only): 95-1008

Motherboard interconnect: 95-974

Motherboard 96-pin connector: 17-122

Module 96-pin connector: 17-104

DSP card, left: 95-1010-1

DSP card, middle (AWD-20 only): 95-1010-2

DSP card, right: 95-1010-3

Twist wire tie: 38-297

Faceplate screw, 4-40 x 1/4" hex: 38-91

* Complete assembly, with hinges, latches, meters, cue speaker, clock/timer and all wiring.

Use -1 for AW-12 frame, -2 for AW-20 frame.

Mic Preamplifier

99-961-1 *



Microphone PCA: 95-961

Phantom power switch: 26-24

Trimpot coverplate: 80-1563

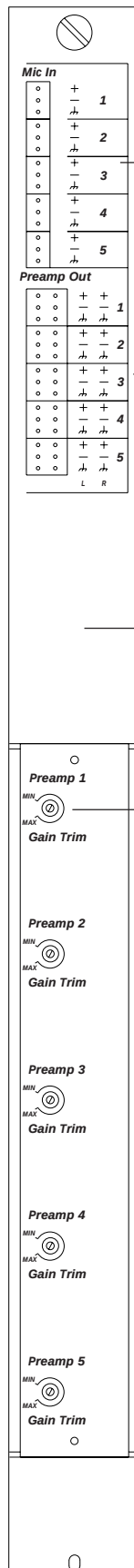
Mounting screws: 38-91

Connector kit: 76-752-5

1x3 connector (x5): 14-482

2x3 connector (x5): 14-484

Receptacle contacts (x45): 15-938-1



1x3 header (x5): 14-481

2x3 header (x5): 14-483

Faceplate: 80-1552

Trimpots, 1k, reverse audio taper (x5): 24-166

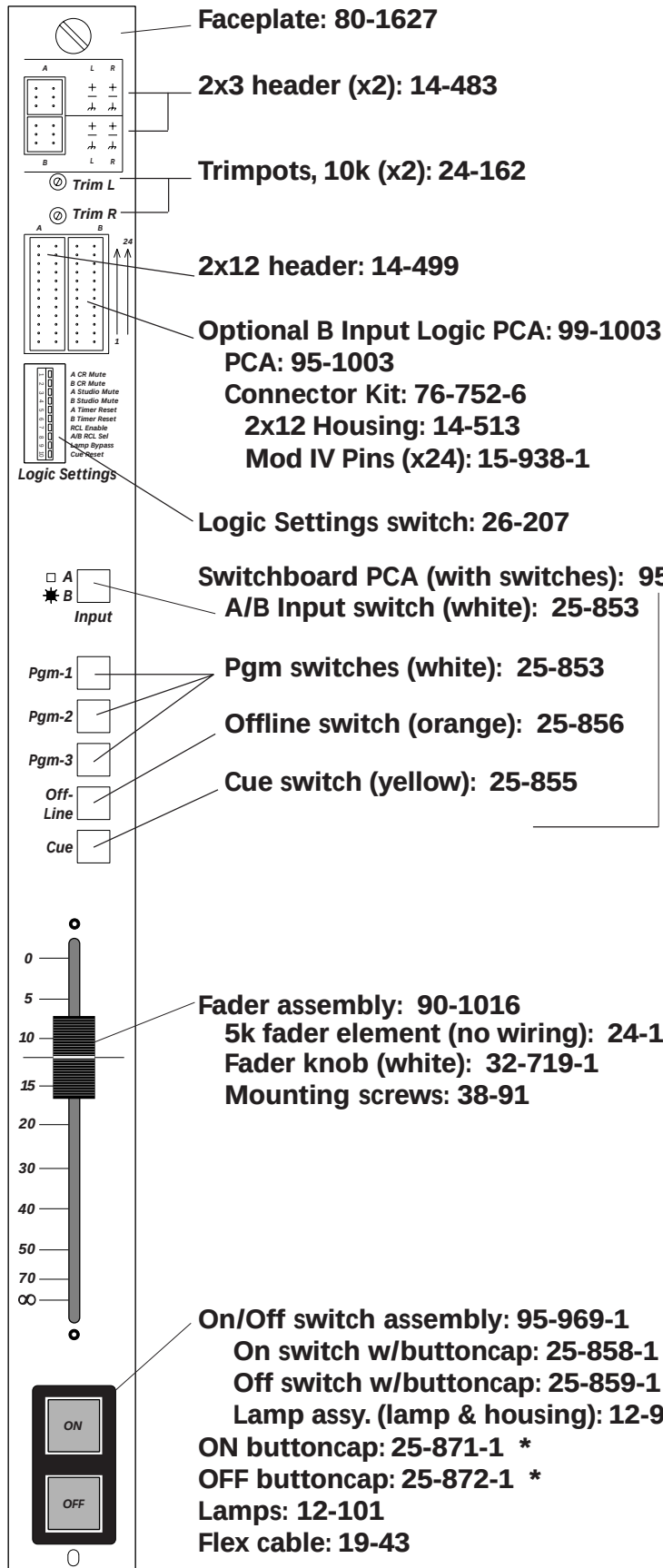
* Use 99-961-1 for all additional module orders. It includes one each: 99-961, 76-752-5 and 80-1563, plus three 38-91 screws.

Use the 99-961 for field replacement only.

Line Input

99-1004 (w/o SIM installed)

Use 99-1004-1 to add Analog SIM. Use 99-1004-2 to add Digital SIM



Line Input PCA: 95-1004

FPGA: 21-193-1

Relay: 22-16

Optocoupler: 29-56

Analog SIM: 99-1001

Digital SIM: 99-1002

B Input Logic PCA: 99-1003

Connector kit: 76-752-6

Input connector kit: 76-752-1

2x3 connector (x2): 14-484

2x12 connector (x1): 14-513

Receptacle contacts (x22): 15-938-1

Alternate Knob Colors

Black: 32-710-1

Red: 32-712-1

Yellow: 32-714-1

Green: 32-715-1

Blue: 32-716-1

Gray: 32-720-1

Orange: 32-721-1

* no suffix for blank buttoncap or for custom engraving.

Two lines per buttoncap with 4 1/2 characters max. per line.

Telco Input/Output 99-963



Telco Input/Output PCA: 95-1005

FPGA: 21-193-2

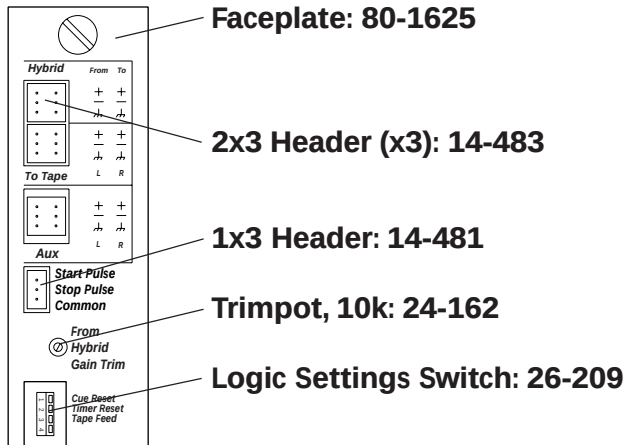
Relay: 22-16

Telco Connector Kit: 76-752-2

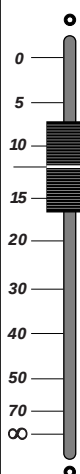
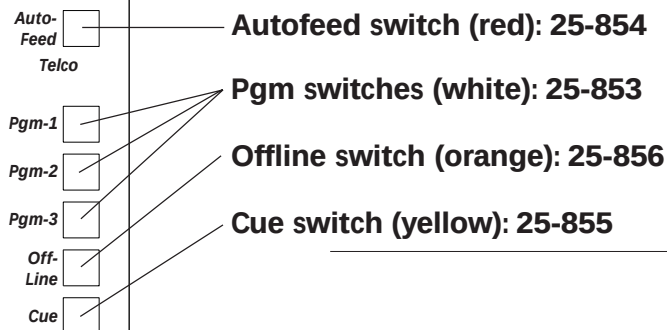
2x3 connector (x3): 14-484

1x3 connector: 14-482

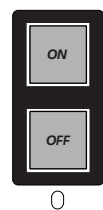
Receptacle contacts (x23): 15-938-1



Switchboard PCA (with switches): 95-968-8



Fader assembly: 90-1016
10k fader element (no wiring): 24-159
Fader knob (black): 32-710-1
Mounting screws: 38-91



On/Off switch assembly: 95-969-1
On switch w/buttoncap: 25-858-1 *
Off switch w/buttoncap: 25-859-1 *
Lamp Assy (lamp & housing): 12-95
ON buttoncap: 25-871-1 *
OFF buttoncap: 25-872-1 *
Lamps: 12-101
Flex cable: 19-43

Alternate Knob Colors

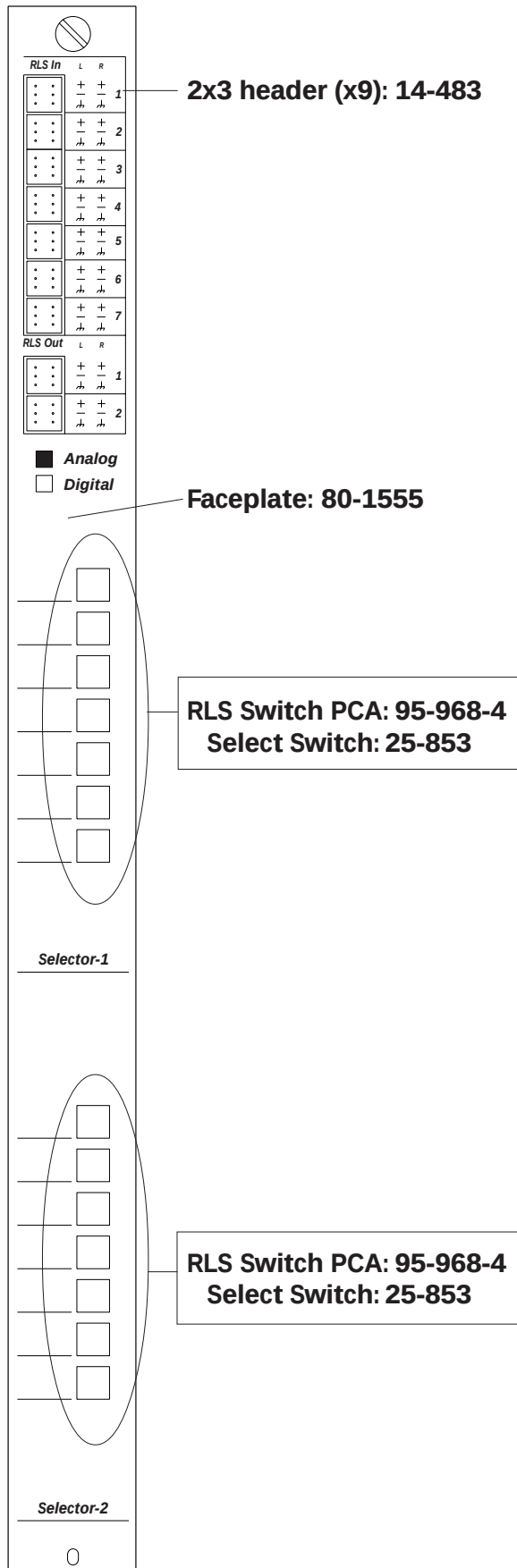
Red: 32-712-1
Yellow: 32-714-1
Green: 32-715-1
Blue: 32-716-1
White: 32-719-1
Gray: 32-720-1
Orange: 32-721-1

*** no suffix for blank buttoncap or for custom engraving.**

Two lines per buttoncap with 4 1/2 characters max. per line.

Remote Line Selectors

99-966-1 (Analog), 99-1012 (Digital)



Analog RLS PCA: 95-966

FPGA: 21-146-4

Digital RLS PCA: 95-1012

FPGA: 21-193-3

Analog RLS Connector kit: 76-752-3

2x3 connector (x9): 14-484

Receptacle contacts (x54): 15-938-1

Digital RLS Connector kit: 76-752-4

2x3 connector (x9): 14-484

Receptacle contacts (x27): 15-938-1

(Digital RLS uses only pins 1, 2, 3 for signal connection.)

Monitor Module 99-965-1



Monitor 2 PCA: 95-965

Monitor 1 PCA: 95-964

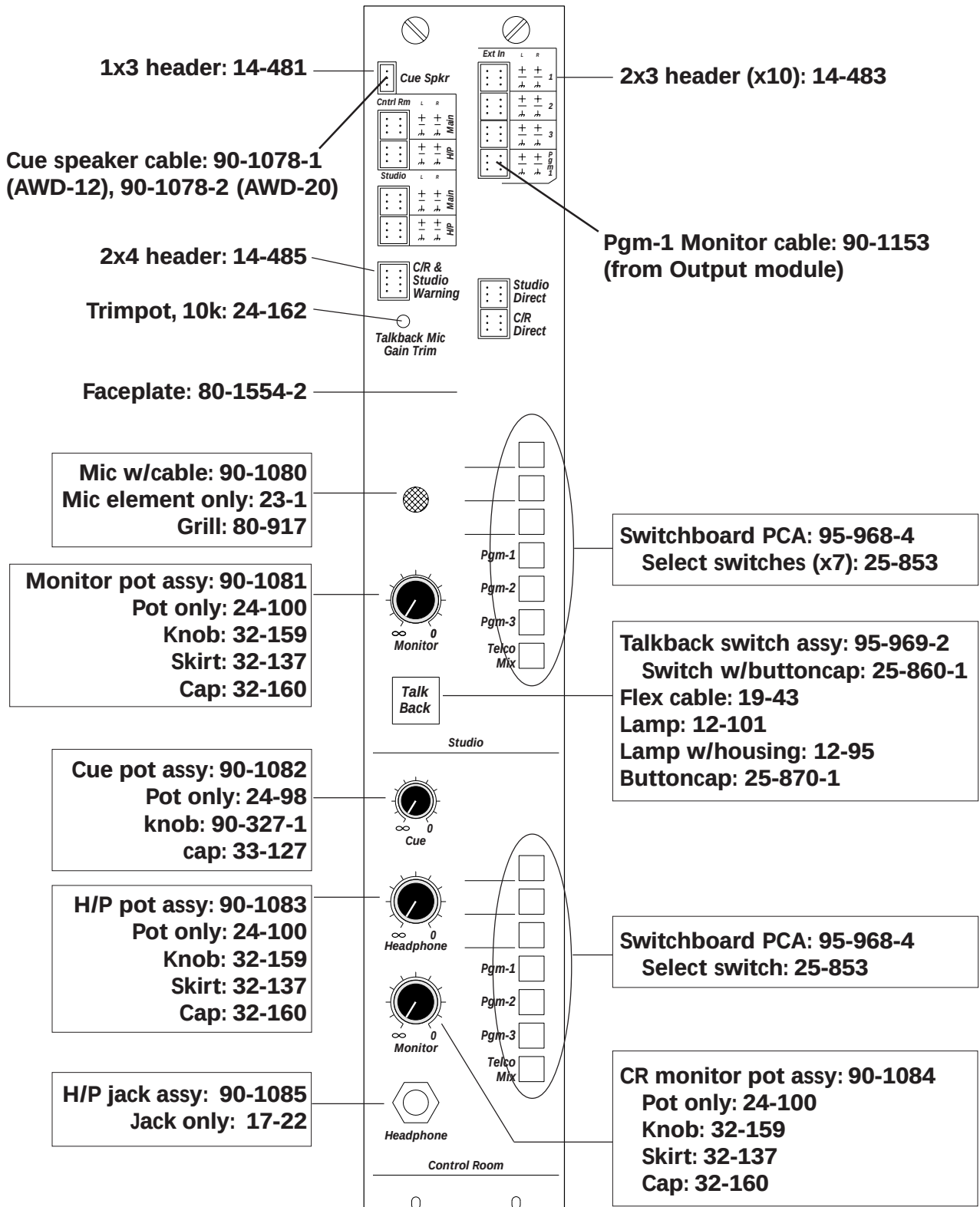
Connectors: part of 76-752 mainframe kit

1x3 connector (x1): 14-482

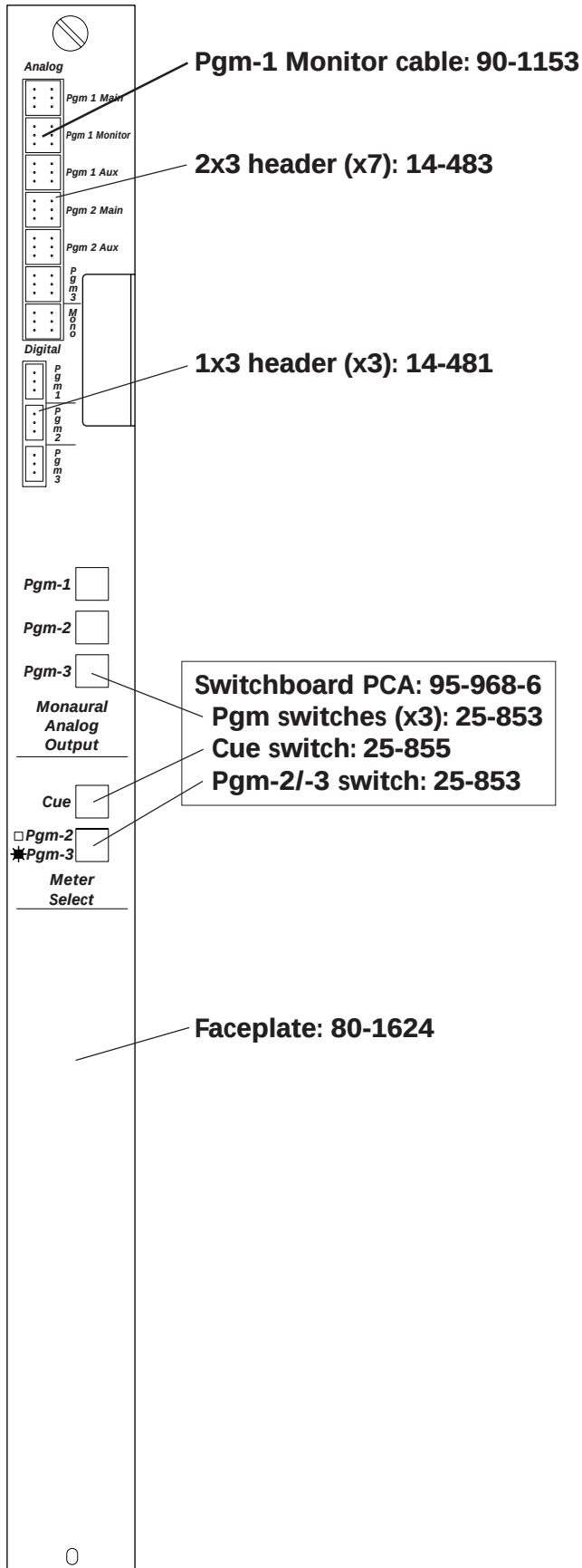
2x3 connector (x9): 14-484

2x4 connector (x1): 14-486

Receptacle contacts (x62): 15-938-1



Output Amplifier 99-1006



Output Amplifier PCA: 95-1006

FPGA: 21-194-1

DIP switch: 26-208

Trimpot, 2k: 24-165

Trimpot, 10k: 24-158

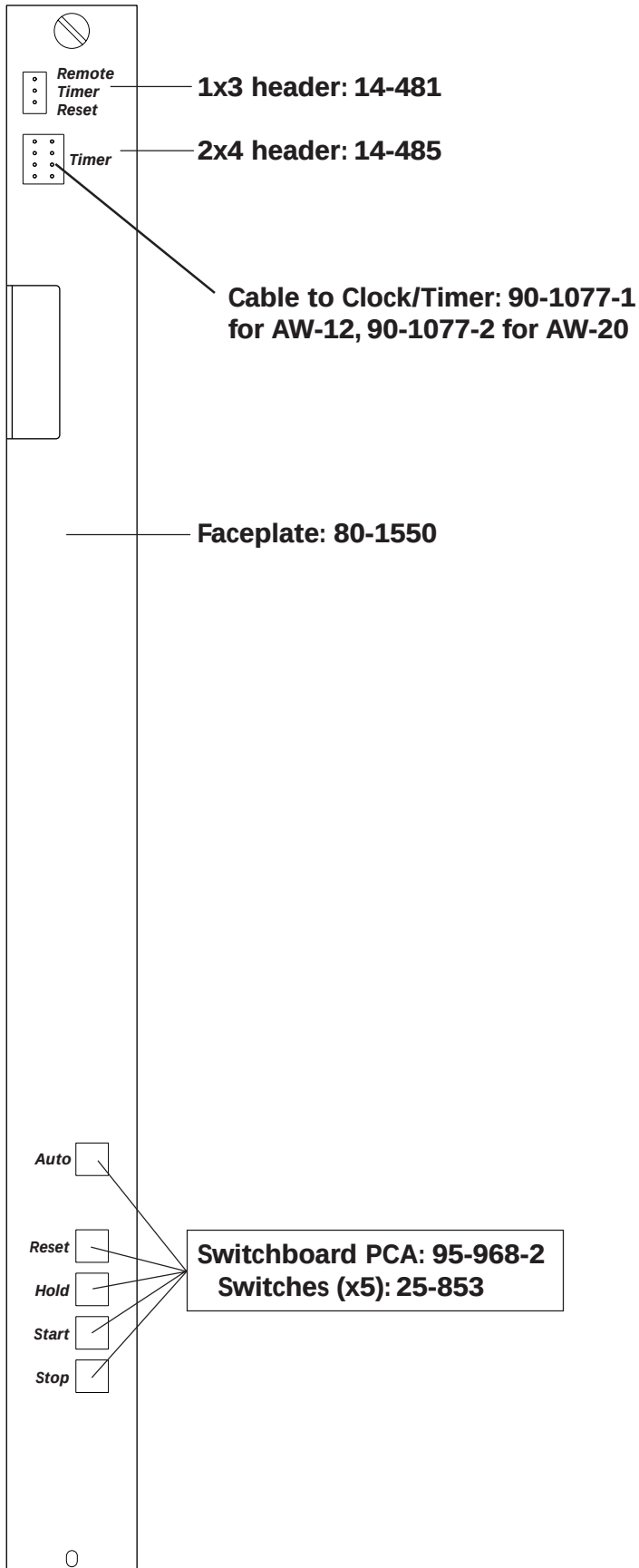
Connectors: part of 76-752 mainframe kit

2x3 connector (x7): 14-483

2x8 connector (x3): 14-481

Receptacle contacts (x51): 15-938-1

Timer Control 99-960



Timer PCA: 95-960

Battery clip: 30-107

Battery: 50-5

Connectors: part of 76-752 mainframe kit

1x3 connector (x1): 14-482

2x4 connector (x1): 14-486

Receptacle contacts (x11): 15-938-1

Switchboard PCA: 95-968-2
Switches (x5): 25-853

Tape Remote Panels

99-991-1 & 99-992-1



Five button tape remote panel: 99-991-1

5-button tape remote w/o lamps: 90-1108

Switches (x5): 25-119

Lamps (x5): 12-64

5-button connector kit: 76-740-1

Molex connector: 15-807

Terminal pins (x15): 15-3-1

Ten button tape remote panel: 99-992-1

10-button tape remote w/o lamps: 90-1109

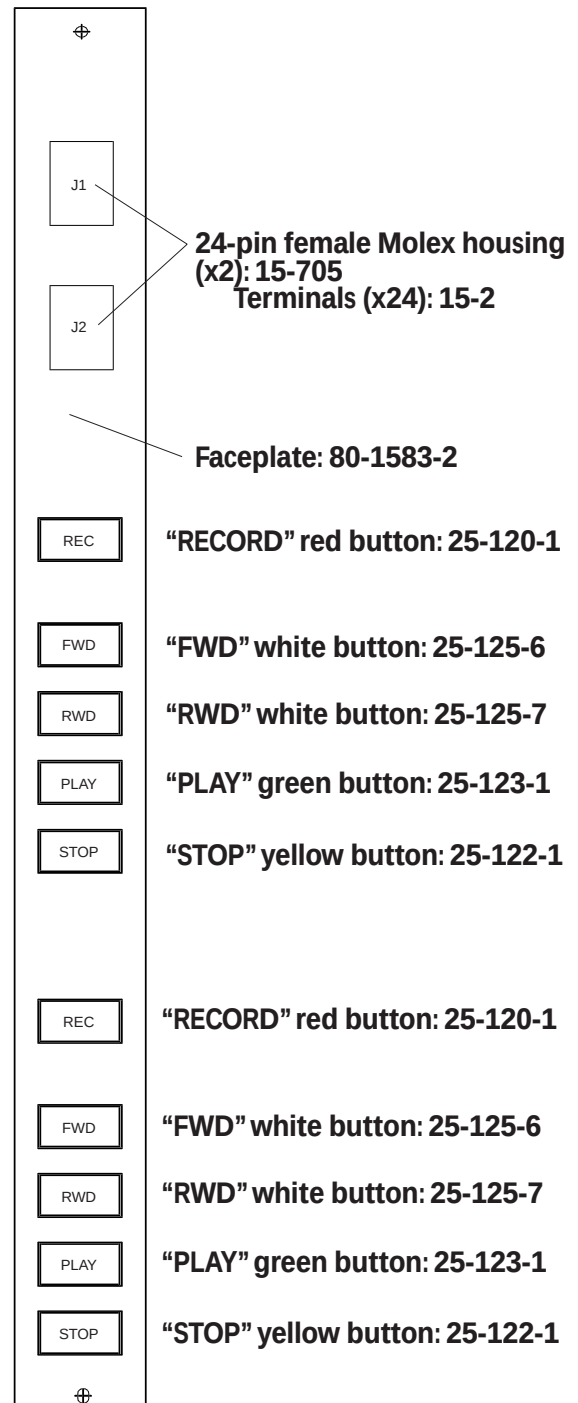
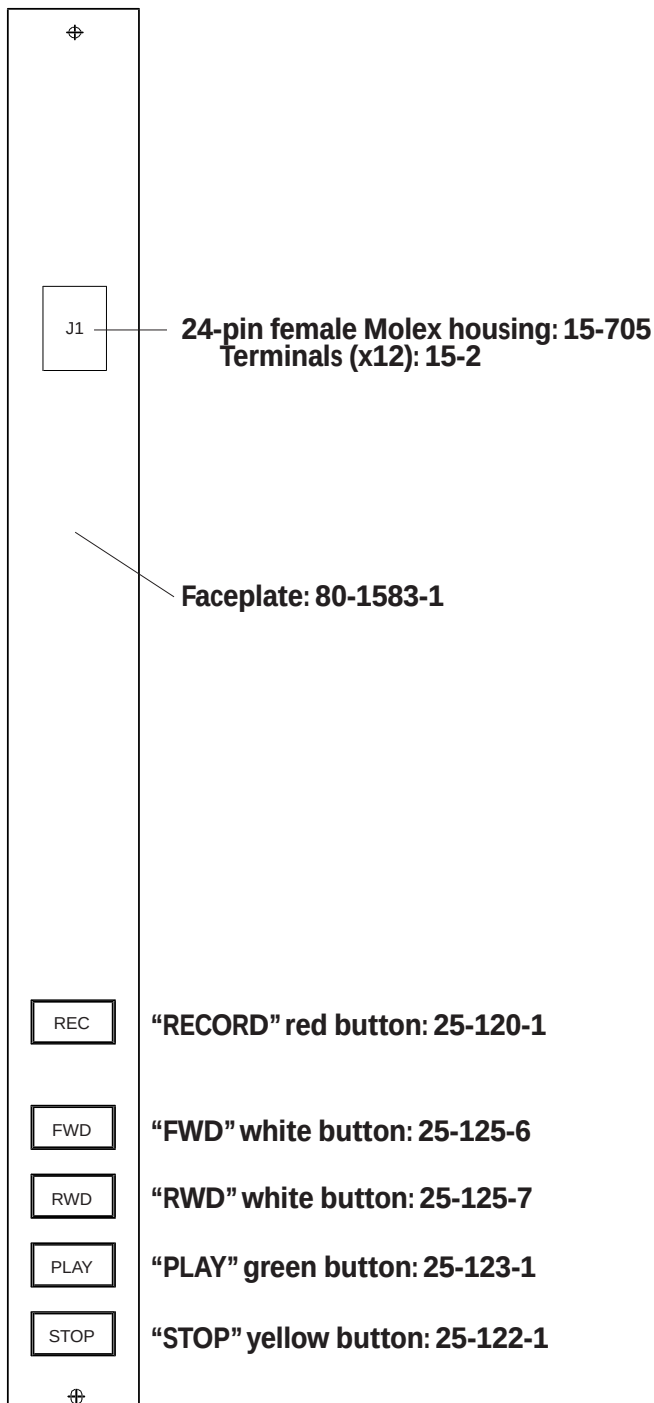
Switches (x10): 25-119

Lamps (x10): 12-64

10-button connector kit: 76-740-2

Molex connector (x2): 15-807

Terminal pins (x30): 15-3-1



Mic Remote Panel

99-949-1 & 99-949-2



99-949-1: Cabinet mount
99-949-2: Turret mount

PCA: 95-949

PCB Connector: 15-583

3-pin Header: 14-20

Header jumper: 14-69

Installation guide: 74-134

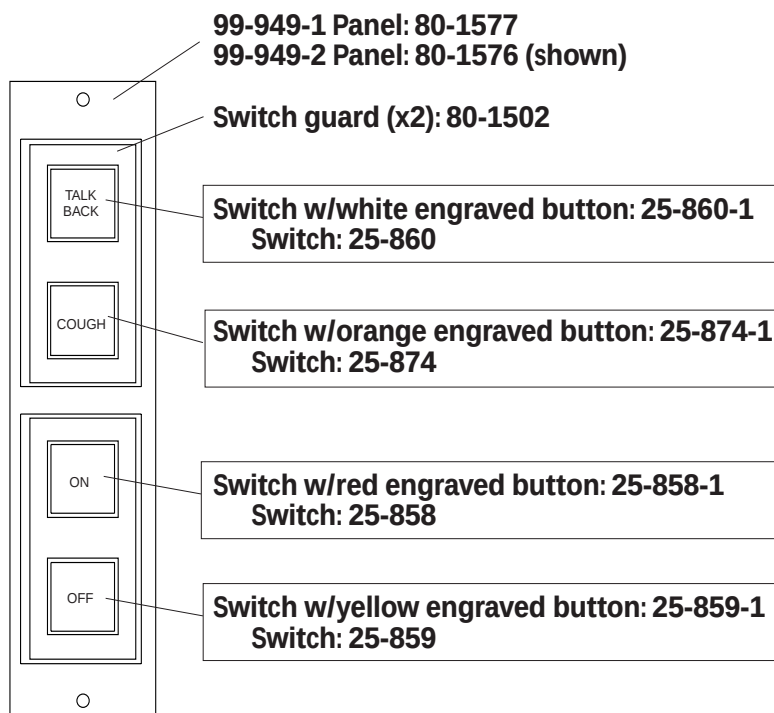
Connector kit: 76-737

Documentation: 71-949

Connector Housing: 15-524

Terminal pins (x10): 15-8

Cabinet Grommet: PRE-3759



Parts Summary



AirWave Digital Replacement Parts

PR&E #	Description or Use
11-53	Bridge Rectifier #
12-95	On, Off, Talkback lamp & housing
12-101	On, Off, Talkback lamp only #
20-106	Voltage Regulator, adjustable #
20-107	Voltage Regulator, adjustable #
24-98	Cue Pot
24-100	CR and Studio Monitor, Headphone Pot
25-853	Pgm and A/B select switch *
25-854	Autofeed switch *
25-855	Cue switch *
25-856	Off/Line switch *
25-858	Module On switch **
25-859	Module Off switch **
25-860	Talkback switch **
25-870	White button cap ***
25-871	Red button cap ***
25-872	Yellow button cap ***
90-1016	Input & Telco module fader

Supplied in 76-728 Spare Parts Kit.

* Used on the 95-968-x switchboards.

** Used on the 95-969-1 and -2 switchboards.

*** Blank button cap numbers. Also used for custom button engraving. Add a -1 suffix for standard engraving (Talkback, On, Off).

AirWave Digital Assemblies & Modules

PR&E #	Description or Use	PR&E #	Description or Use
23-1	Electret microphone	99-960	Timer Control module
23-2	Cue speaker	99-961	Microphone preamp module
80-1632	Blank Panel (one module space)	99-965-1	Monitor module
95-895-1	Clock/timer Assembly (12 hour)	99-966	Analog RLS module
95-895-2	Clock/timer Assembly (24 hour)	99-1001	Analog Input SIM
95-968-2	Timer Control switchboard	99-1002	Digital Input SIM
95-968-4	Mon 2 & RLS switchboard	99-1003	B Logic Interface SIM
95-968-6	Output Assignment switchboard	99-1004	Line Input module
95-968-7	Line Input switchboard	99-1005	Telco Input/Output module
95-968-8	Telco switchboard	99-1006	Output Amplifier module
95-969-1	On/Off switchboard	99-1010-1	Left DSP Card
95-969-2	Talkback switchboard	99-1010-2	Middle DSP Card (AWD-20 only)
95-974	Motherboard Interconnect	99-1010-3	Right DSP Card
95-1007	Left-end Motherboard	99-1012	Digital Remote Line Selector module
95-1008	Mid-Motherboard (AirWave Digital-20 only)	99-1014	Extender Card
95-1009	Right-end Motherboard (with power cable)	99-1015-1	Power Supply Assembly (115V)
95-1011	Bargraph Meter assy.	99-1015-1X	Power Supply Assembly (230V)

Field Programmable Gate Arrays

Line Input module	21-193-1
Telco module	21-193-2
Monitor module	21-146-3
Analog RLS module	21-146-4
Digital RLS module	21-193-3
Output module	21-194-1

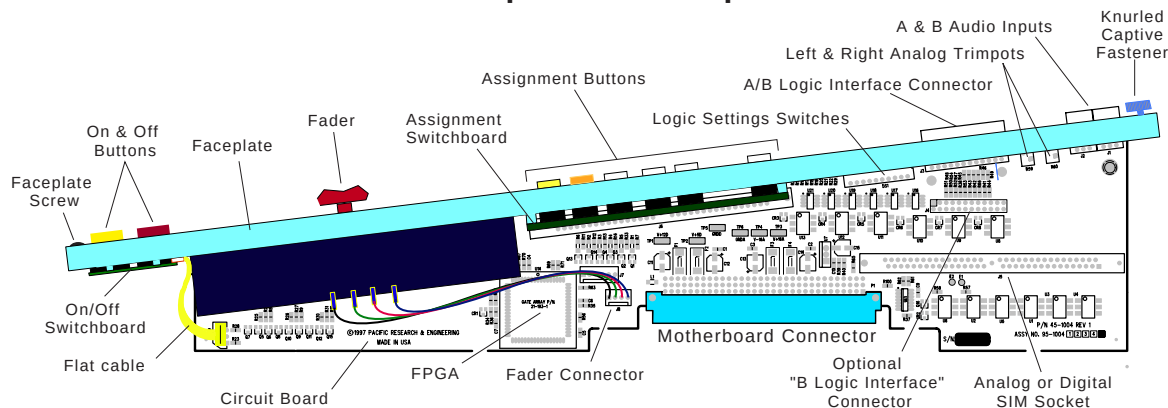
Connector and Tool Kit Components

PR&E #	Description or Use	Qty.
76-752	Mainframe Connector Kit	—
14-482	3-pin AMP housing	9
14-484	6-pin AMP housing	21
14-486	8-pin AMP housing	1
15-938-1	Receptacle contacts	162
50-5	AA Lithium battery	2
76-752-1	Input Connector Kit	—
14-484	6-pin AMP housing	2
14-513	24-pin AMP housing	1
15-938-1	Receptacle contacts	22
76-752-2	Telco Connector Kit	—
14-484	6-pin AMP housing	3
14-482	3-pin AMP housing	1
15-938-1	Receptacle contacts	23
76-752-3	Analog RLS Connector Kit	—
14-484	6-pin AMP housing	9
15-938-1	Receptacle contacts	54
76-752-4	Digital RLS Connector Kit	—
14-484	6-pin AMP housing	9
15-938-1	Receptacle contacts	27
76-727	AirWave Tool Kit	—
70-44	Sifam knob removal tool	1
70-90	Hex Wrench	1
70-126	Crimp Tool	1
70-129	Contact Removal Tool	1
90-151	Clock Magnet Tool	1

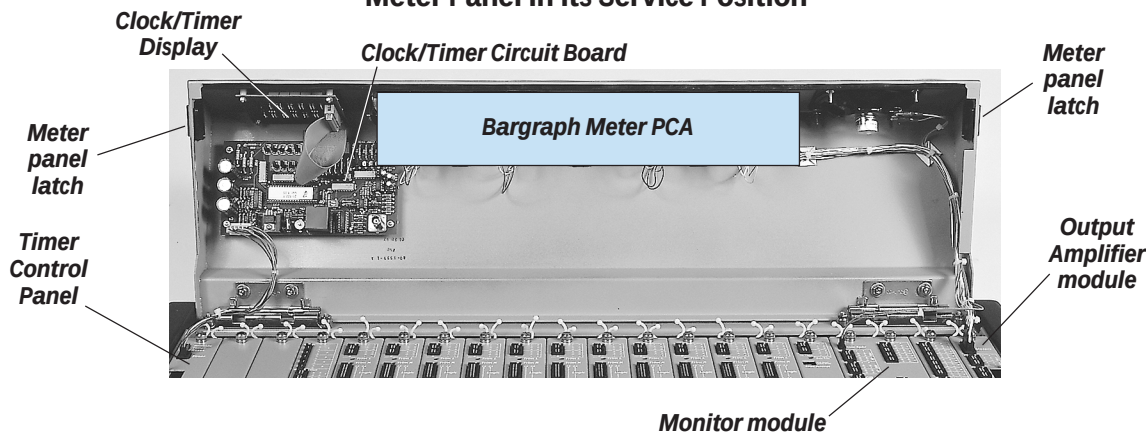
AirWave Digital Hardware

Flex Cable	19-43
Knurled Fastener	35-64
Sub-board washers	38-2
Sub-board screws	38-67
Fader screws	38-79
Main PCB screws	38-86
Faceplate hex screw	38-91

Line Input Module Component ID



Meter Panel in its Service Position



AirWave Mainframe Installation Dimensions

