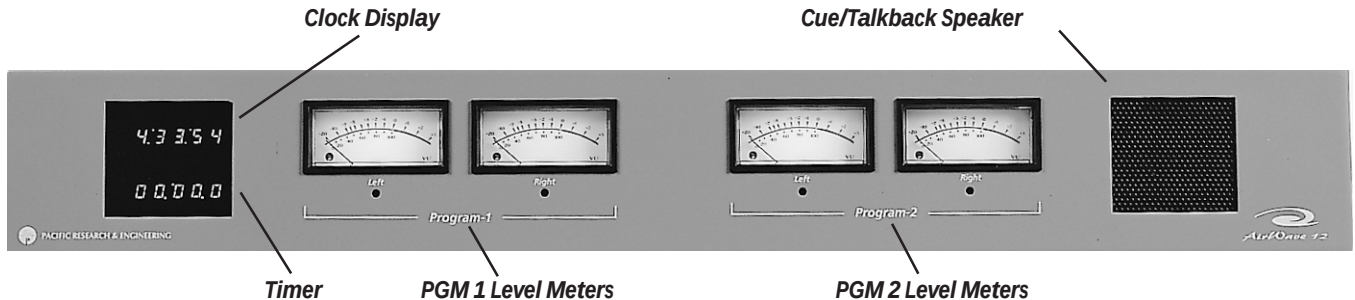


Mainframe Parts

Airwave-12 mainframe: 99-970-1CU

Airwave-20 mainframe: 99-970-2CU

AirWave power supply assembly: 99-1015-1 (115V), -1X (230V),
99-955-1 (early 115V supply), -1X (early 230V supply)



METER PANEL

AW-12 meter panel assembly: 90-1071-1 *

Silkscreened metal only: 80-1559-1

AW-20 meter panel assembly: 90-1071-2 *

Silkscreened metal only: 80-1559-2

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

VU meter Assembly: 46-21

VU meter lamp: 12-96

Cue/talkback speaker: 23-2

WIRING

Power supply cable: 90-1076

Connector housing: 15-914

Contacts: 15-878

Clock/timer harness: 90-1077-x #

Cue speaker harness: 90-1078-x #

Meter harness: 90-1079-x #

Monitor PCA 8-pin jumper : 90-1086

Monitor PCA 12-pin jumper : 90-1087

FRAME

Chassis assembly: 90-1071-x #

Bottom chassis weldment: 80-1557-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

(need two extenders for 99-965-1)

Motherboard assy., right end: 95-971

(NOTE: DC supply cable not included)

Motherboard assy., left end: 95-972

Motherboard assy., mid (AW-20 only): 95-973

Motherboard interconnect: 95-974

Motherboard 96-pin connector: 17-122

Module 96-pin connector: 17-104

Twist wire tie: 38-297

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

2 EAO, 1 rotary switch Panel: 81-491

4 EAO switches on panel: 81-519

Single Tape Remote: 80-1583-1

Dual Tape Remote: 80-1583-2

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

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

Microphone Preamplifier

99-961-1 *

Microphone PCA: 95-961

Phantom power switch: 26-24

Trimpot coverplate: 80-1563

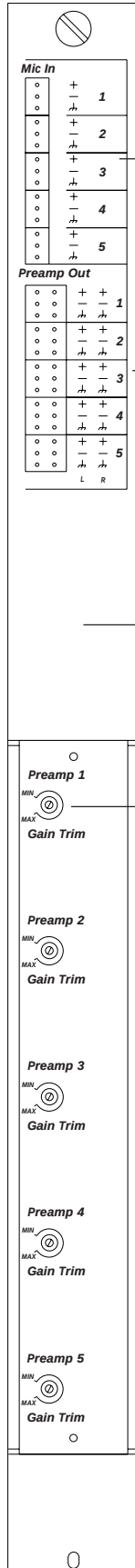
Mounting screws: 38-91

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

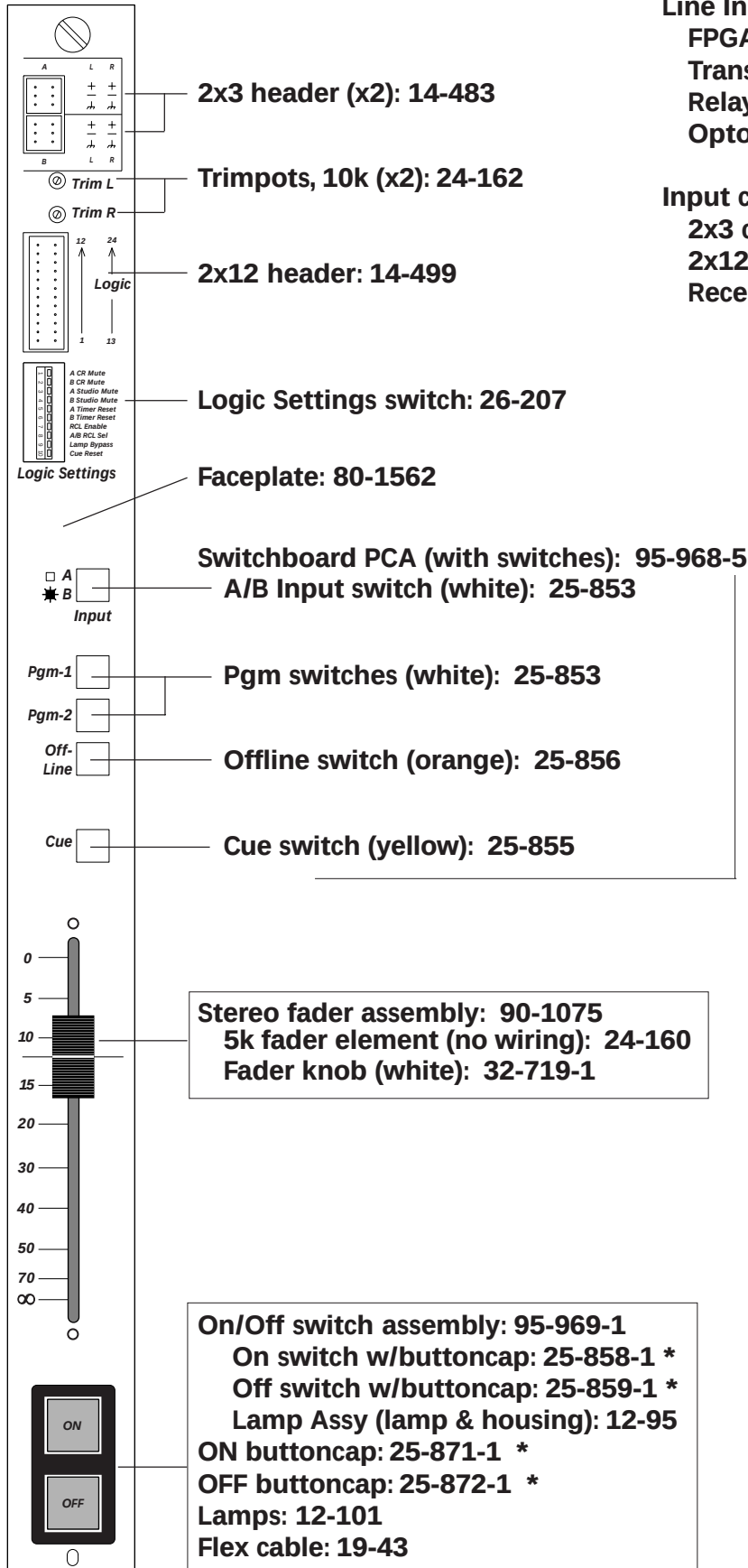
Faceplate: 80-1552

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 99-962



Line Input PCA: 95-962

FPGA: 21-146-1

Transistor: 9-9

Relay: 22-16

Optocoupler: 29-56

Input connector kit: 76-726-1

2x3 connector (x2): 14-484

2x12 connector (x1): 14-513

Receptacle contacts (x36): 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: 95-963

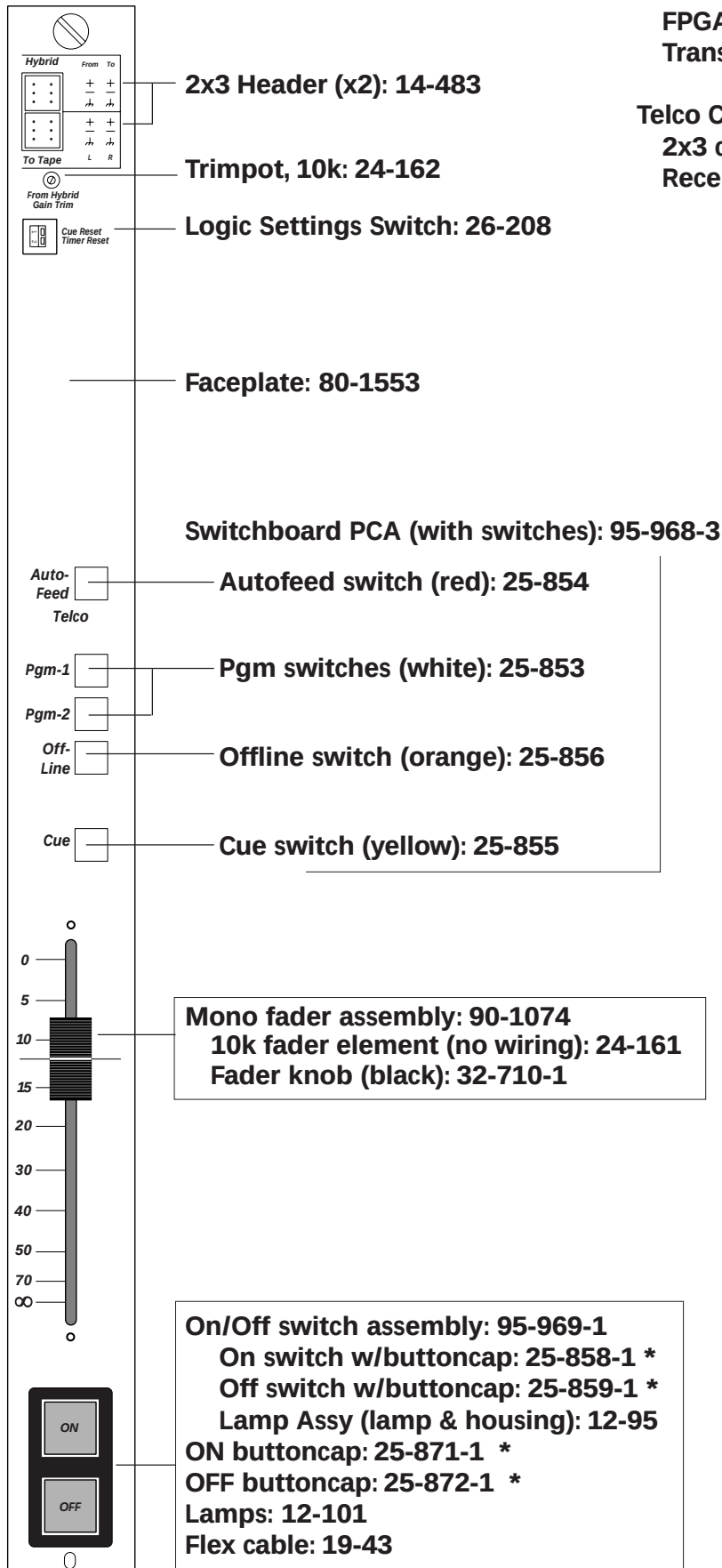
FPGA: 21-146-2

Transistor: 9-9

Telco Connector Kit: 76-726-2

2x3 connector (x2): 14-484

Receptacle contacts (x12): 15-938-1



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

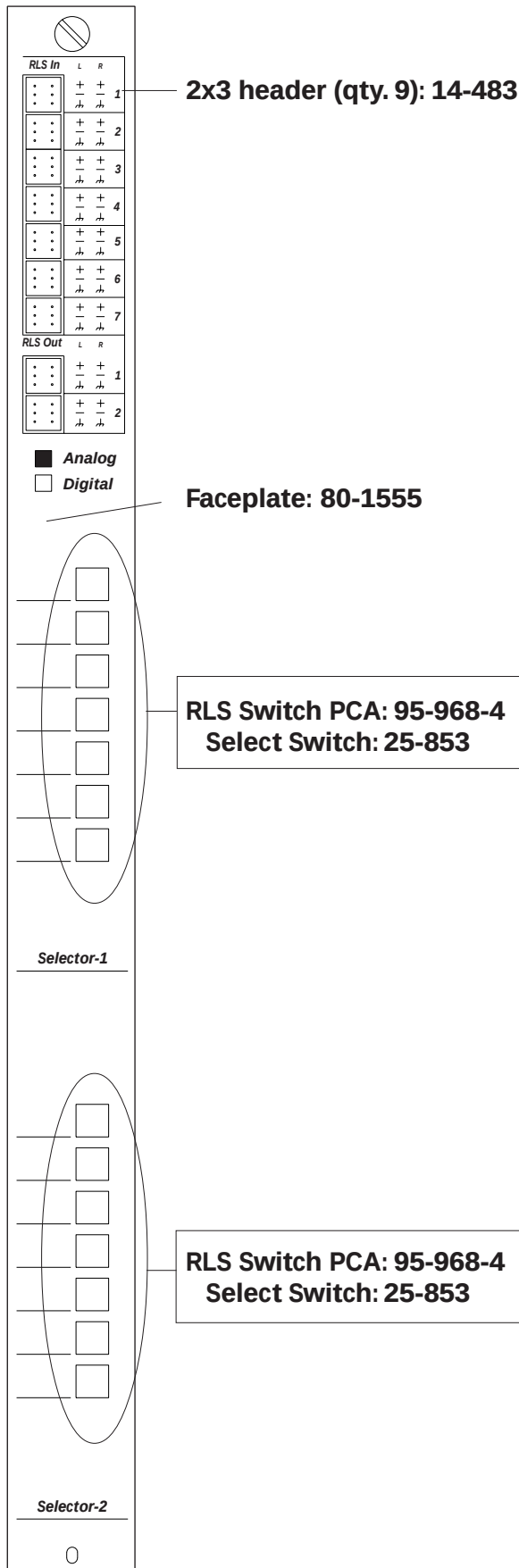
*** no suffix for blank buttoncap or for custom engraving.**

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

Remote Line Selector (RLS) 99-966

RLS PCA: 95-966
FPGA: 21-146-4

Connector kit: 76-726 (mainframe kit)
2x3 connector (qty. 9): 14-484
Receptacle contacts (qty. 54): 15-938-1



Monitor Module 99-965

Monitor 2 PCA: 95-965

Monitor 1 PCA: 95-964

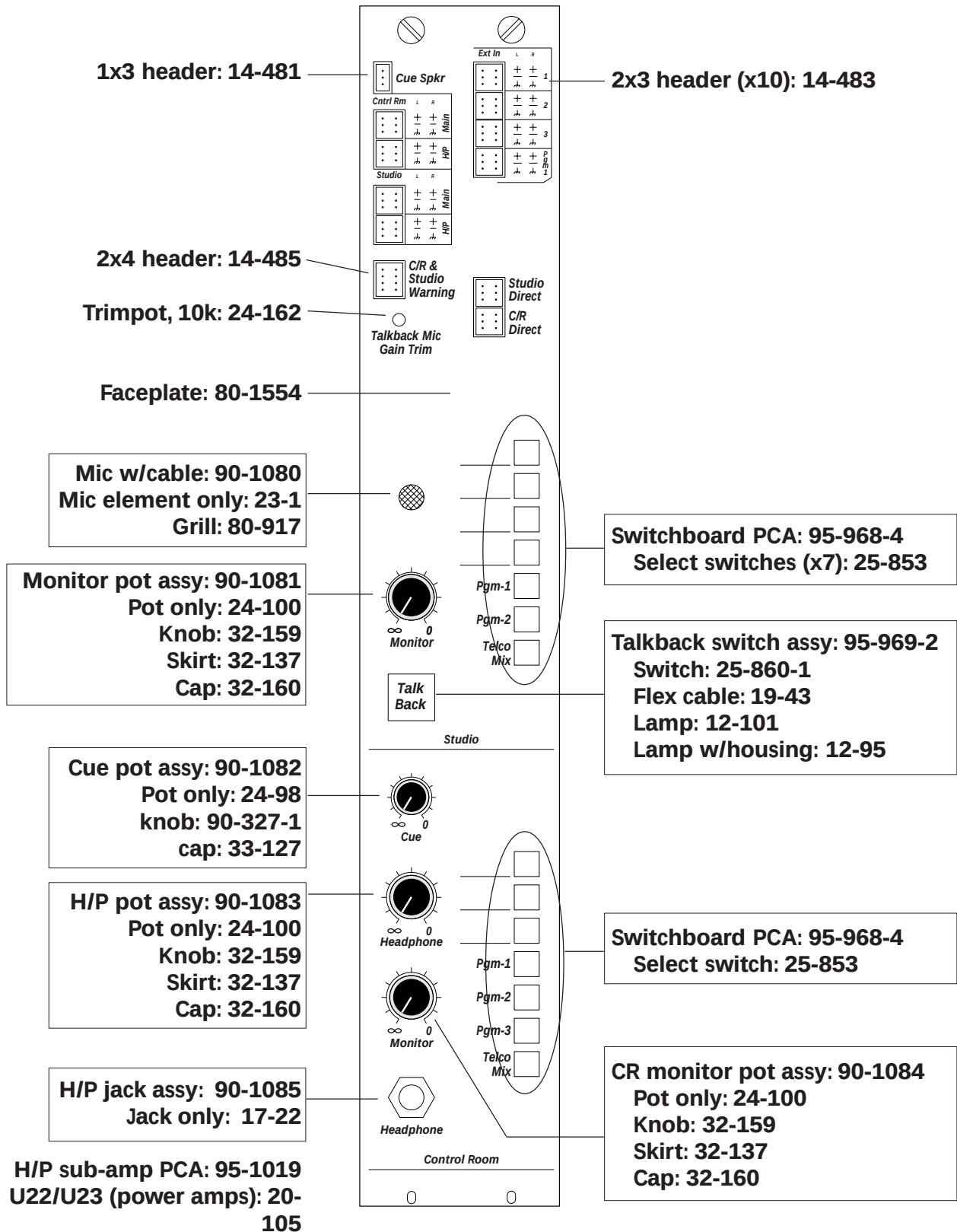
Connector kit: 76-726 (mainframe)

1x3 connector (x1): 14-482

2x3 connector (x10): 14-484

2x4 connector (x1): 14-486

Receptacle contacts (x36): 15-938-1



Output Amplifier 99-967

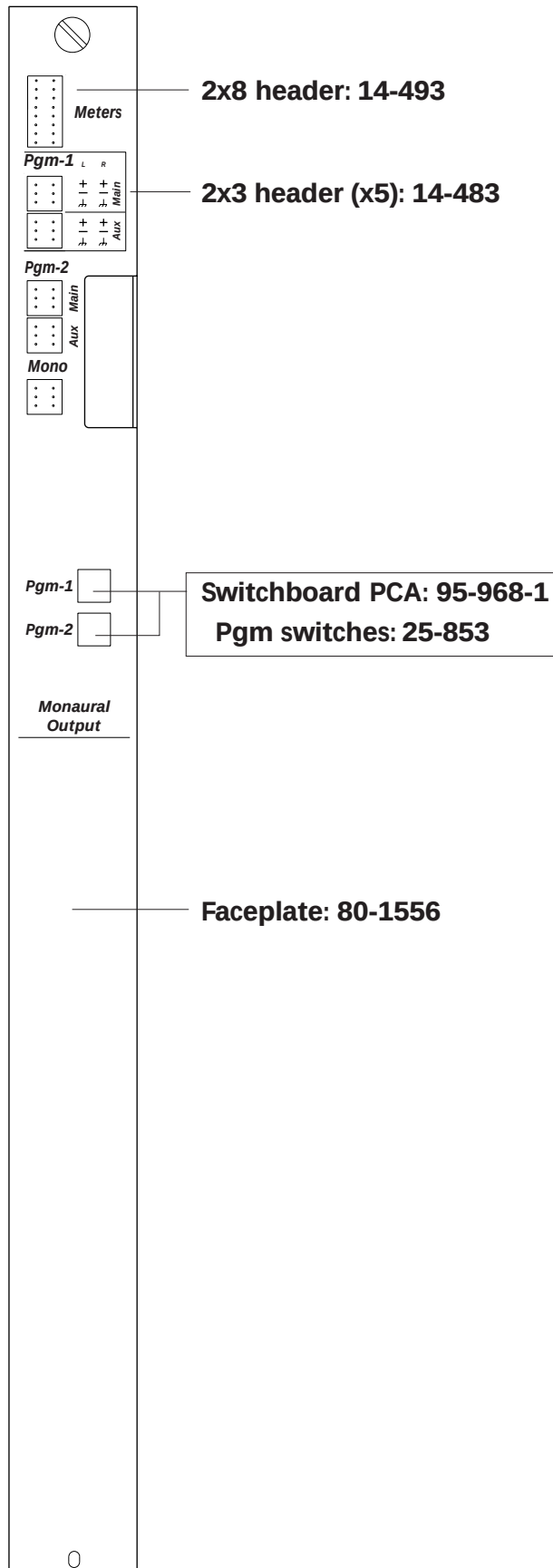
Output Amplifier PCA: 95-967

Connector kit: 76-726 (mainframe kit)

2x3 connector (x5): 14-484

2x8 connector (x1): 14-486

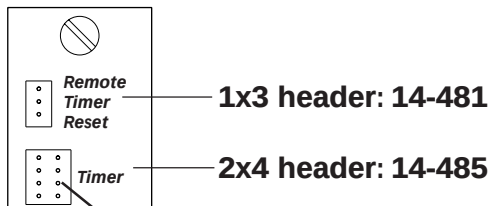
Receptacle contacts (x46): 15-938-1



Timer Control 99-960

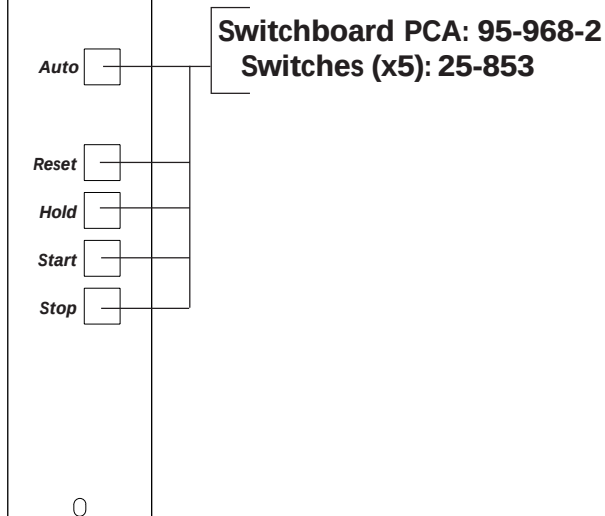
Timer PCA: 95-960
Battery clip: 30-107
Battery: 50-5

Connectors: part of 76-726 mainframe kit
1x3 connector (x1): 14-482
2x4 connector (x1): 14-486
Receptacle contacts (x11): 15-938-1



Cable to Clock/Timer: 90-1077-1 for AW-12, -2 for AW-20

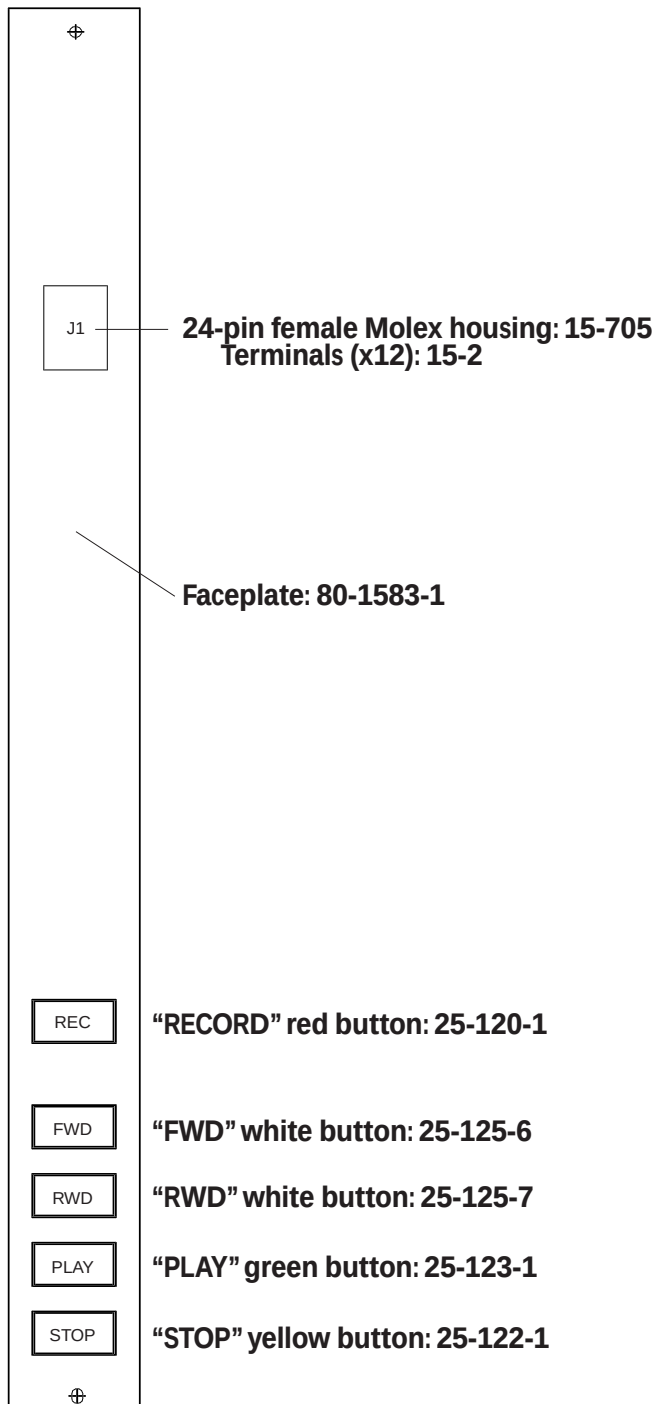
Faceplate: 80-1550



Tape Remote Panels 99-991-1 & 99-992-1

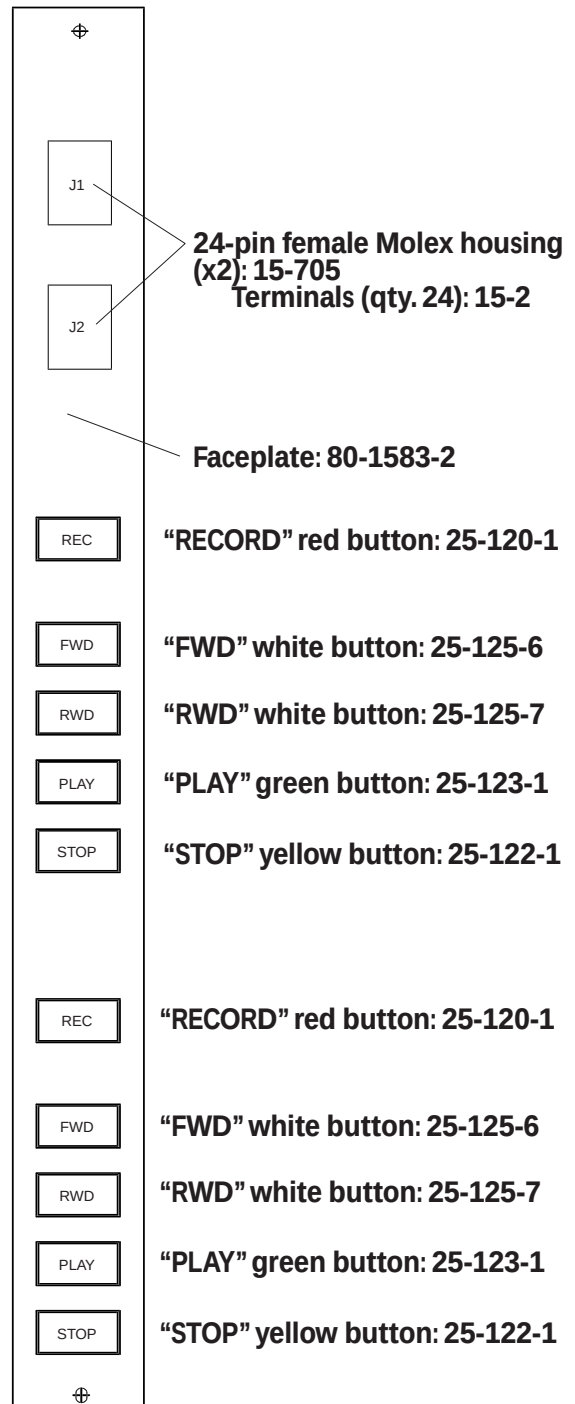
Five button tape remote panel: 99-991-1
5-button tape remote w/o lamps: 90-1108
Switches (x5): 25-119
Lamps (x5): 12-64

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

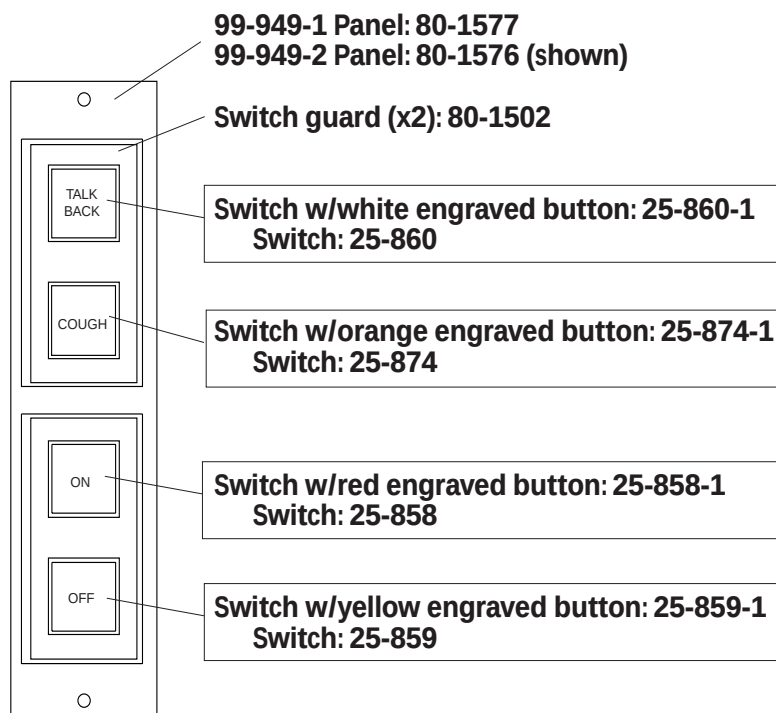
Connector kit: 76-737

Documentation: 71-949

Connector Housing: 15-524

Terminal pins (x10): 15-8

Cabinet Grommet: PRE-3759



Parts Summary

Typical AirWave Replacement Parts

PR&E #	Description or Use
11-53	Bridge Rectifier #
12-95	On, Off, Talkback lamp & housing
12-96	VU meter lamp
12-101	On, Off, Talkback lamp only (JKL683)
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 Input switch (white) *
25-854	Autofeed switch (red) *
25-855	Cue switch (yellow) *
25-856	Offline switch (orange) *
25-858	Module On switch (red button) **
25-859	Module Off switch (yellow button) **
25-860	Talkback switch (white button) **
25-870	White button ***
25-871	Red button ***
25-872	Yellow button ***
90-1074	Telco module fader
90-1075	Input module fader

Supplied in 76-728 Spare Parts Kit.

* Used on 95-968-1, -2, -3 and -4.

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

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

Connector and Tool Kit Components

PR&E #	Description or Use	Qty.
76-726	Mainframe Connector Kit	—
14-482	3-pin AMP connector	7
14-484	6-pin AMP connector	30
14-486	8-pin AMP connector	2
15-938-1	Receptacle contacts	217
50-5	AA Lithium battery	2
76-726-1	Input Connector Kit	—
14-484	6-pin AMP connector	2
14-513	24-pin AMP connector	1
15-938-1	Receptacle contacts	36
76-726-2	Telco Connector Kit	—
14-484	6-pin AMP connector	2
15-938-1	Receptacle contacts	12
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 Assemblies & Modules

PR&E #	Description or Use	PR&E #	Description or Use
23-1	Electret microphone	95-973	Mid-Motherboard (AirWave-20)
23-2	Cue speaker	95-974	Motherboard Interconnect
46-21	VU Meter assembly	95-895-1	Clock/timer Assembly (12 hour)
80-1551	Blank Panel (one module space)	95-895-2	Clock/timer Assembly (24 hour)
95-968-1	Output Assignment switchboard	99-960	Timer Control module
95-968-2	Timer Control switchboard	99-961	Microphone preamp module
95-968-3	Telco switchboard	99-962	Line Input module
95-968-4	Mon 2 & RLS switchboard	99-963	Telco Input/Output module
95-968-5	Line Input switchboard	99-965	Monitor module
95-969-1	On/Off switchboard	99-966	Remote Line Selector module
95-969-2	Talkback switchboard	99-967	Output Amplifier module
95-971	Right-end Motherboard (with power cable)	99-975	Extender Card
95-972	Left-end Motherboard	99-1015-1	115V Power Supply Assembly
		99-1015-1X	230V Power Supply Assembly

FPGA List

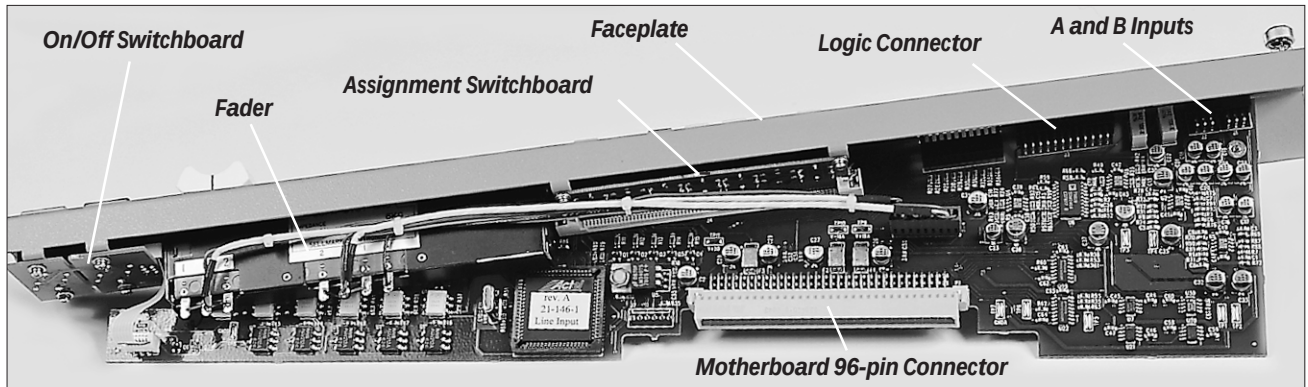
Line Input module	21-
1 4 6 - 1	
Telco module	21-146-2
Monitor module	21-146-3
RLS module	21-146-4

Module Hardware

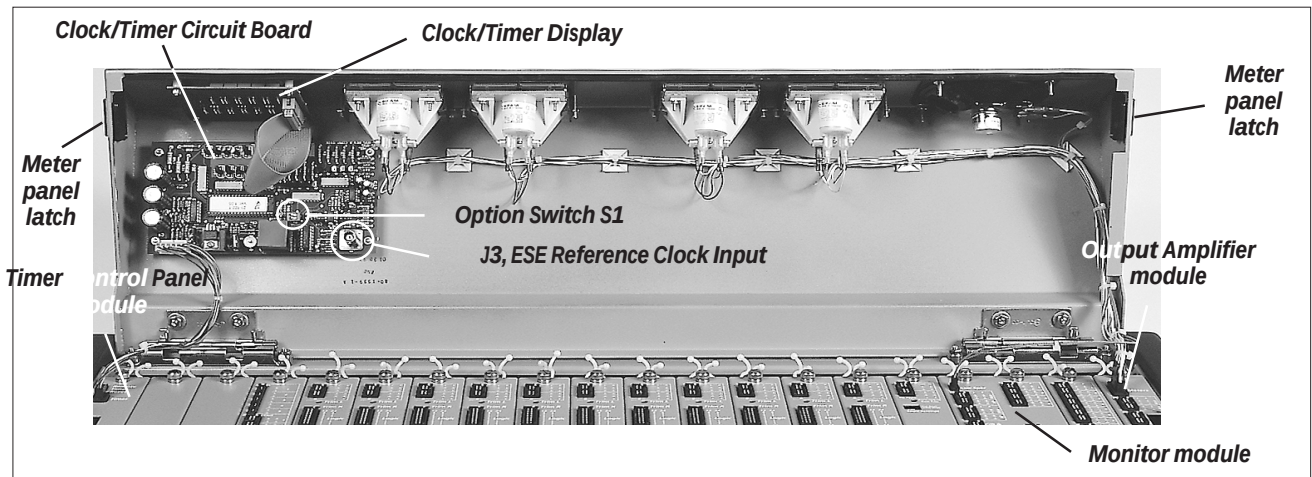
Main board screws	38-86
Sub-board screws	38-67
Sub-board washers	38-2
Fader screws	38-79
Knurled fastener	35-64
Faceplate screw, hex	38-91

Mechanical Detail

Line Input Module Component ID



Meter Panel in its Service Position



AirWave Mainframe Installation Dimensions

