

TOP LEVEL ASSY #
99-1400-x

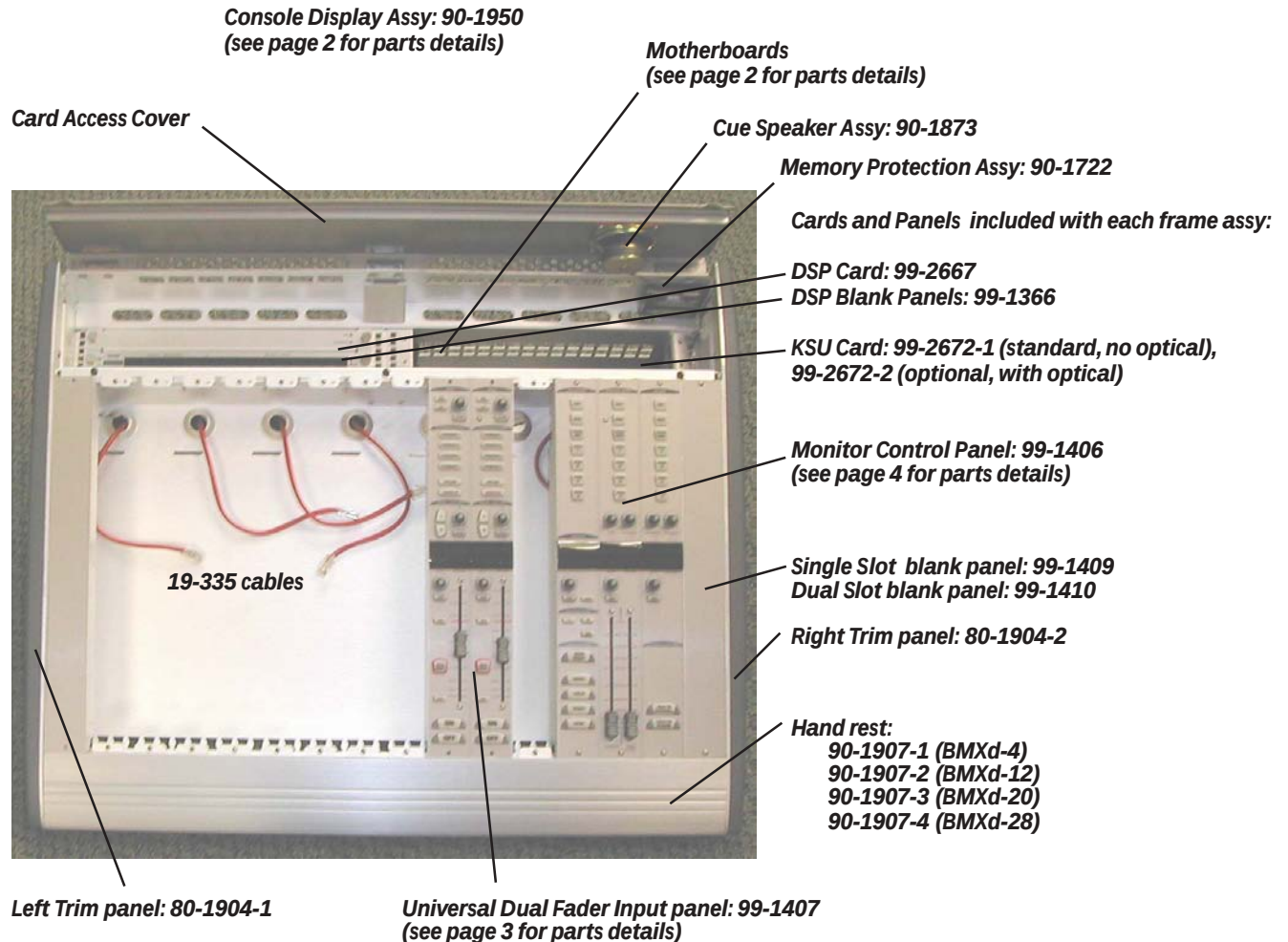
DASH NUMBER TABLE
(99-1400-x, etc.)

-4 = for RMXd-4
-12 = for RMXd-12
-20 = for RMXd-20
-28 = for RMXd-28

CRATES

RMXd-4: 88-167-4
RMXd-12: 88-167-12
RMXd-20: 88-167-20
RMXd-28: 88-167-28

Mainframe Parts



CHASSIS PARTS

Frame sub-assy:

80-1900-1 (BMXd-4)
80-1900-2 (BMXd-12)
80-1900-3 (BMXd-20)
80-1900-4 (BMXd-28)

Lower cover, front:

80-1910-1 (BMXd-4)
80-1910-2 (BMXd-12,-28)
80-1910-3 (BMXd-20)

Card Access Cover:

80-1940-1 (BMXd-4)
80-1940-2 (BMXd-12)
80-1940-3 (BMXd-20)
80-1940-4 (BMXd-28)

Access cover hinges: 33-353

Round snap bushings: 33-354

Card guides: 35-203

Grill, Cue Speaker: 80-1921

Reclosable fastener: 80-1764

CABLES

Red 18" CAT-5: 19-335

Black 36" CAT-5: 19-336

Backup battery assy: 90-1722

Headphone jack with cable:

90-1872-1 (BMXd-4)
90-1872-2 (BMXd-12)
90-1872-3 (BMXd-20)
90-1872-4 (BMXd-28)

Cue speaker and cable: 90-1873

48 V, Ext. Power Cable (6'): 90-1858-1

Divider Kit Parts:

Can be installed in any slot.

90-1411-1 (one slot wide kit)

90-1411-2 (two slots wide kit)

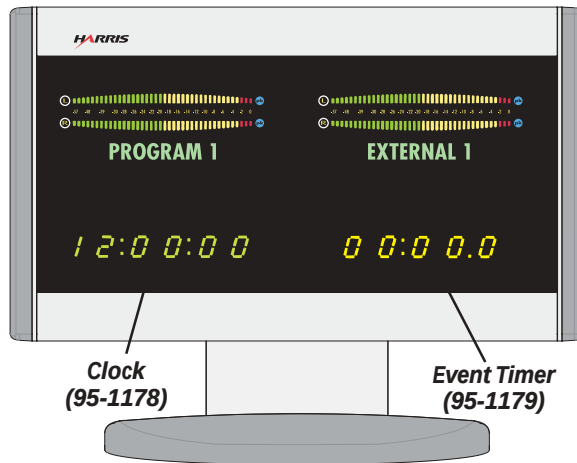
99-1714-3 (1.6"x6" blank panel)

99-1740-3 (3.2"x6" blank panel)

Early rev frames did not have screw holes predrilled in the chassis bottom.

Console Display Assy: 90-1950

Meters (95-1177)



MECHANICAL PARTS

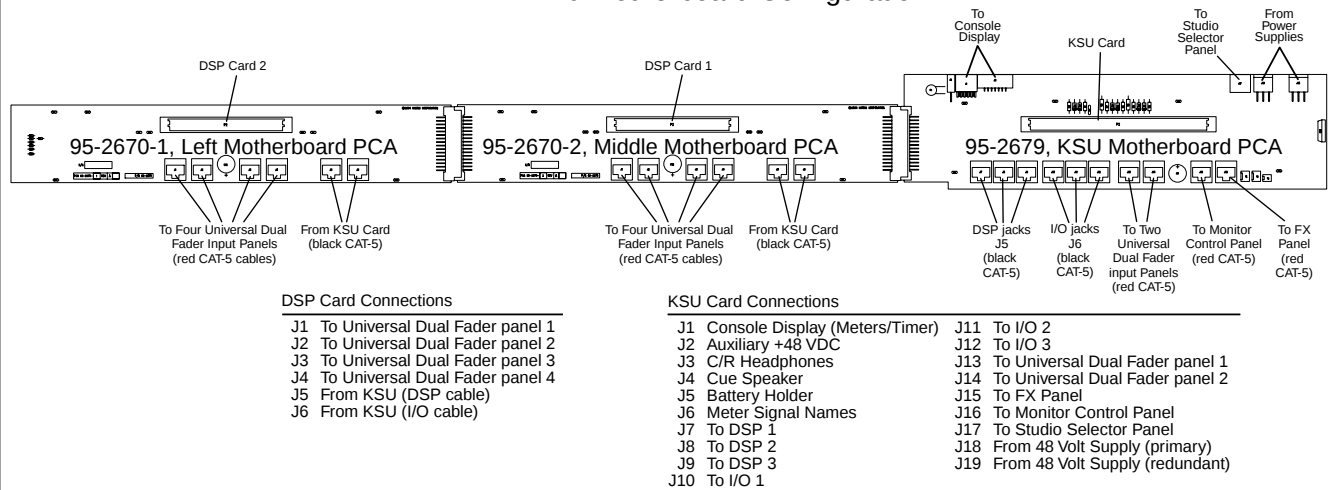
Frame: 80-1916 (200%1609)
Rear Panel: 80-1946 (200%1642)
Display stand support: 80-1949 (200%1643)
Side plate: 80-1945 (200%1648) (x2)
Display stand: 80-1947
Display mask: 80-1948
Display window: 80-1943
Side Trim Panel: 80-1903 (x2)
Extrusion, top: 80-1944-1
Extrusion, bottom: 90-1944-2

CABLING

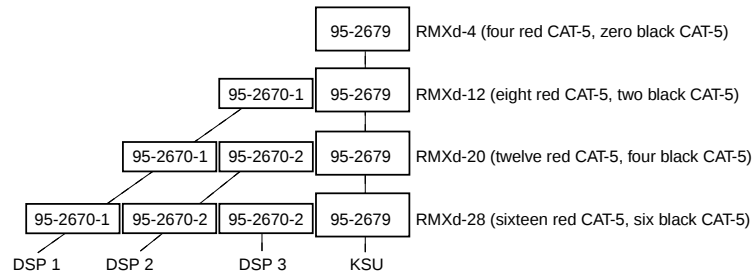
Cable Assembly: 90-1874
5 VDC wall wart supply: 50-26
Sleeving: 19-334
Meter Signals & Timer Cable: 90-1705-9
Meter Names Ribbon Cable: 90-1706-9
ESE cable: 90-1871
Internal Power Cable: 90-1731-9

RMXDIGITAL MOTHERBOARDS

RMXD-20 Motherboard Configuration



Motherboard Orientation and Cabling, by Frame Size



Universal Dual Fader Input Panel

99-1407



Rotary Knob: 32-725 (x6)
Spacer: 33-67 (x6)

Panel Subassy: 90-1407
Rear Cover: 80-1924 (200%1340)
SPROM: 21-226-7

10-character display: 12-93 (x2)
Dual Display Lens: 80-1752 (x2)

Fader assembly: 90-1713-2 (x2)
Knob (silver): 32-726 (x2)

Removable keycap, small:

Panel and fader screws: 38-88

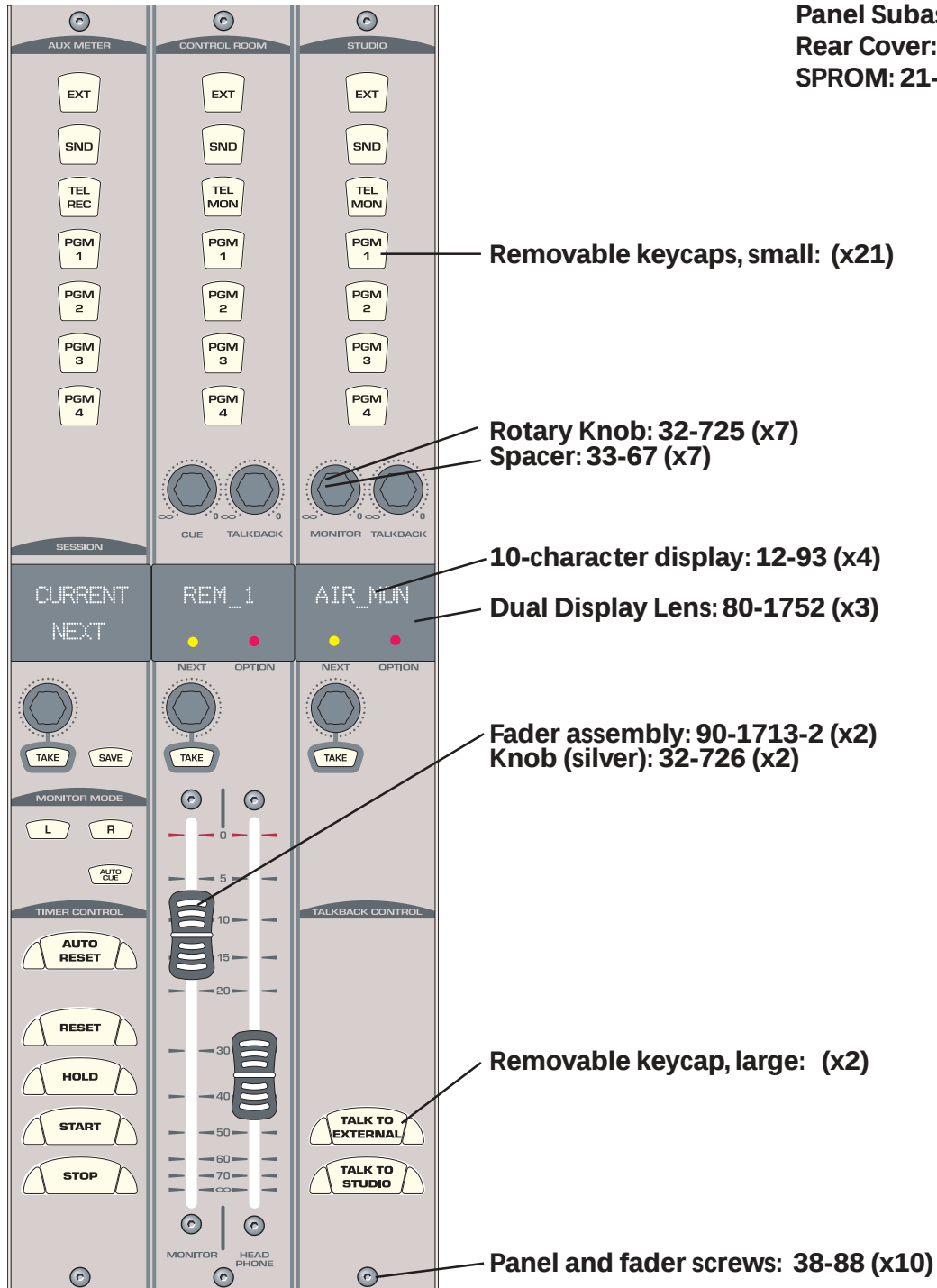
Removable keycap, large:

Colored Fader Knobs
Silver (standard): 32-726
Red: 32-727
Green: 32-728
Blue: 32-729
Yellow: 32-730

Monitor Control Panel

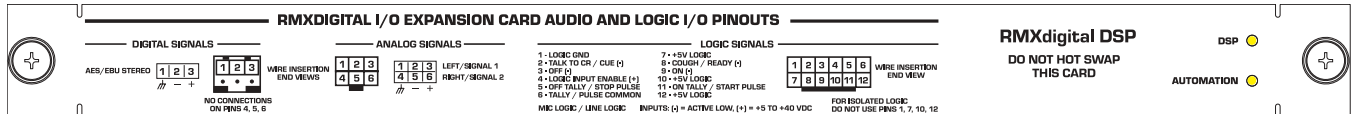
99-1406

Panel Subassy: 90-1406
Rear Cover: 80-1929 (200%1341)
SPROM: 21-226-6



DSP Card

99-2667



Panel: 9506000612

PCA: 95-2667

SPROM: 21-349-1

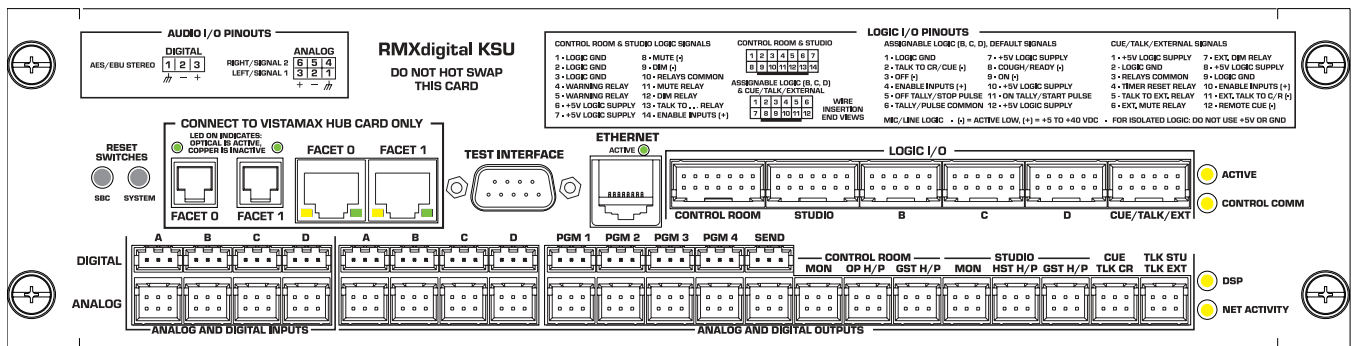
Lightpipe: 12-140

EMI strip: 33-347

Net Card

99-2672-1 (without optical connectors)

99-2672-2 (with optical connectors, shown below)



99-2672-1 Parts:

Panel: 9506000625

KSU PCA: 95-2672-1

99-2672-2 Parts:

Panel: 9506000633

KSU PCA: 95-2672-2

Parts common to both versions:

Analog PCA: 95-2675

Digital PCA: 95-2677

SBC: 99-1800

KSU PROM: 21-352-1

DSP PROM: 21-352-2

Thermal Pad: 80-1959

Heatsink: 80-1957

Lens: 12-143

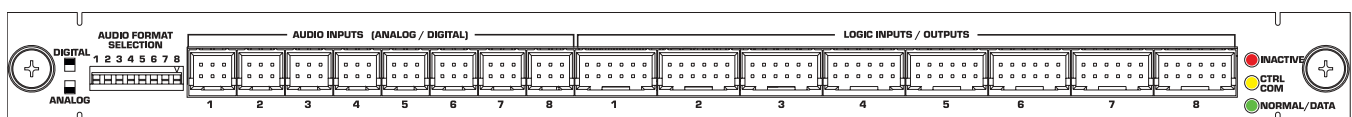
EMI strip: 33-347

Flex cable: 19-327

Standoff: 35-737

8-Input Expansion Card

99-2665



Panel: 9506000614

PCA: 95-2665

SPROM: 21-353-1

EMI strip: 33-347

Connector kit: 76-2665

RMXDIGITAL SPARE AND REPLACEMENT PARTS

Serviceable Assemblies

Harris #	Description or Use
90-1950	Console Display
95-1178	Clock PCA
95-1179	Event Timer PCA
99-1177	Bargraph Meter PCA
95-2670-1	Left motherboard PCA (for DSP)
95-2670-2	Middle motherboard PCA (for DSP)
95-2679	Right motherboard PCA (for KSU)
99-1205	48 Volt Power Supply (2 RU)
99-1406	Monitor Control Panel
99-1407	Universal Dual Fader Input Panel
99-2665	8-Input Expansion Card
95-2665	8-Input Expansion PCA
99-2667	DSP Card
95-2667	DSP PCA
99-2672-1	KSU Card (no optical connectors)
95-2672-1	KSU, main PCA
95-2675	KSU, analog connector PCA
95-2677	KSU, digital connector PCA
99-1800	Single-board computer PCA
99-2672-2	KSU Card (with optical connectors)
95-2672-2	KSU, main PCA
95-2675	KSU, analog connector PCA
95-2677	KSU, digital connector PCA
99-1800	Single-board computer PCA

Replaceable Parts

Harris #	Description or Use
12-93	10-character display
17-122	Headphone jack
19-327	Flex cable, 30-conductor (KSU card)
19-335	18" Red CAT-5 cable (panel power & comm)
19-336	36" Black CAT-5 cable (motherboard jumper)
21-226-6	PROM, Monitor Control panel
21-226-7	PROM, Universal Dual Fader Input panel
21-349-1	PROM, DSP card
21-352-1	DSP PROM, KSU card (U55)
21-352-2	Net PROM, KSU card (U60)
21-353-1	PROM, 8-Input Expansion card
30-51	Battery holder
23-132	Cue speaker
32-725	Rotary control knob
32-726	Fader knob (silver)
32-727	Fader knob (red)
32-728	Fader knob (green)
32-729	Fader knob (blue)
32-730	Fader knob (yellow)
38-78C	Screw, 4-40 x 1/4" panhead with lockwasher
38-86	Screw, Flathead Phillips (PCA to switchboards)
38-88	Screw, 4-40 x 1/4" silver hex (modules and faders)
Harris #	Description or Use
50-26	5 Volt power supply (for Console Display)
76-1403	Monitor Control panel, removable Lens kit
76-1404	Universal Dual Fader panel, removable lens kit
80-1752	Lens (covers 10-character display and LEDs)
80-1846	Card cage slot blank panel
80-1924	Rear cover, Universal Dual Fader Input panel
80-1929	Rear cover, Monitor Control panel
80-1961	Insert Sheet (for Removable Lenses)

90-1858-1	15-foot DC cable (power supply to console)
90-1873	Cue Speaker assy (23-132 speaker and cable)
90-1713-2	Fader and cable assy
90-1722	Battery holder assy (30-51 holder and cable)
90-1872-1	RMXd-4 H/P jack assy (17-122 jack and cable)
90-1872-2	RMXd-12 H/P jack assy (17-122 jack and cable)
90-1872-3	RMXd-20 H/P jack assy (17-122 jack and cable)
90-1872-4	RMXd-28 H/P jack assy (17-122 jack and cable)
99-1411-1	One slot wide divider kit (to add two turret panels)
99-1411-2	Two slots wide divider kit (to add four turret panels)
99-1409	14.25" blank panel, one slot wide
99-1410	14.25" blank panel, two slots wide
99-1714-3	6" Turret blank panel, one slot wide

TOOL AND INSTALLATION KIT PARTS

76-1400 Installation Kit

Harris #	Description or Use	Qty.
14-482	3-pin AMP MOD IV housing	13
14-484	6-pin AMP MOD IV housing	21
14-490	12-pin AMP MOD IV housing	4
14-492	14-pin AMP MOD IV housing	2
15-938-1	AMP MOD IV contact receptacles	241
38-88	4-40 x 1/4" buttonhead screws	12
76-1403	Lens Kit, Monitor Control panel	1
76-1404	Lens Kit, Universal Fader panels	*
80-1961	Insert Sheet, for removable lenses	1

* one per installed panel

76-1401 Tool Kit

Harris #	Description or Use	Qty.
50-7	AA NiCad batteries	3
70-90	Hex/Allen screwdriver	1
70-126	AMP MOD IV crimp tool	1
70-129	AMP MOD IV pin extractor tool	1

76-2665 8-Input Expansion Card Kit

Harris #	Description or Use	Qty.
14-482	3-pin AMP MOD IV housing	8
14-484	6-pin AMP MOD IV housing	8
14-490	12-pin AMP MOD IV housing	8
15-938-1	AMP MOD IV contact receptacles	144
38-88	4-40 x 1/4" buttonhead screws	12