



High Speed Serial Data Connector (HSSDC)

IEEE 802.3z

Irvine Marriot

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HSSDC

- 6 or 8 position
- Positive “click” Latching
- 30 - 24 AWG Cable Available
- 22 AWG Cable Under Development
- Controlled Impedance (150 ohm differential)

HSSDC

- Drawings available through AMPFax
 - (1-800-522-6752)
- Braid terminated by crimping to backshell
- Make First, Break Last Ground
- Handles Data Rates exceeding 2.1 Gbps
- Fully shielded - EMI test reports available upon request

PART NUMBER	LENGTH (METER)	AWG	DESCRIPTION
621724-1	10	28	HSSDC CABLE ASSEMBLY, UNEQUALIZED
621724-2	5	30	HSSDC CABLE ASSEMBLY, UNEQUALIZED
621724-3	3	30	HSSDC CABLE ASSEMBLY, UNEQUALIZED
621724-4	1	30	HSSDC CABLE ASSEMBLY, UNEQUALIZED
621724-5	0.5	30	HSSDC CABLE ASSEMBLY, UNEQUALIZED
621724-6	20	24	HSSDC CABLE ASSEMBLY, UNEQUALIZED
621724-7	2	30	HSSDC CABLE ASSEMBLY, UNEQUALIZED
621735-1	NA	NA	HSSDC RIGHT ANGLE RECEPTACLE, 6 POSN
621754-1	NA	NA	HSSDC STRADDLE MOUNT, 6 POSN
636136-1	30	24	HSSDC CABLE ASSEMBLY, EQUALIZED
636136-2	25	24	HSSDC CABLE ASSEMBLY, EQUALIZED
636136-3	20	24	HSSDC CABLE ASSEMBLY, EQUALIZED
636137-1	NA	NA	HSSDC RIGHT ANGLE RECEPTACLE, LEFT KEY, SSA, 8 POSN
636145-1	NA	NA	HSSDC STRADDLE MOUNT, 8 POSN
636152-1	NA	NA	HSSDC, LOOPBACK ASSEMBLY
636158-1	NA	NA	HSSDC, PANEL MOUNT, 2 BAY, 6 POSN, REAR BOARD LOOKS
636159-1	NA	NA	HSSDC, PANEL MOUNT, 2 BAY, 6 POSN, FRONT BOARD LOOKS
636160-1	NA	NA	HSSDC, PANEL MOUNT, 1 BAY, 6 POSN, FRONT BOARD LOOKS
636180-1	NA	NA	HSSDC RIGHT ANGLE RECEPTACLE, 8 POSN
636181-1	NA	NA	HSSDC, PANEL MOUNT, 1 BAY, 8 POSN, LEFT KEY, FRONT BOARD LOOKS
636182-1	NA	NA	HSSDC, PANEL MOUNT, 2 BAY, 8 POSN, LEFT KEY, FRONT BOARD LOOKS
636183-1	NA	NA	HSSDC, PANEL MOUNT, 2 BAY, 8 POSN, LEFT KEY, REAR BOARD LOOKS
636198-1	NA	NA	HSSDC, EVALUATION KIT

HSSDC

- Evaluation kit consists of
 - 1 5 m 30 AWG cable assembly, unequalized
 - 1 10 m 28 AWG cable assembly, unequalized
 - 1 20 m 24 AWG cable assembly, unequalized
 - 1 25 m 24 AWG cable assembly, equalized
 - 2 Loopback connector assemblies
 - 4 Right angle receptacles

HSSDC

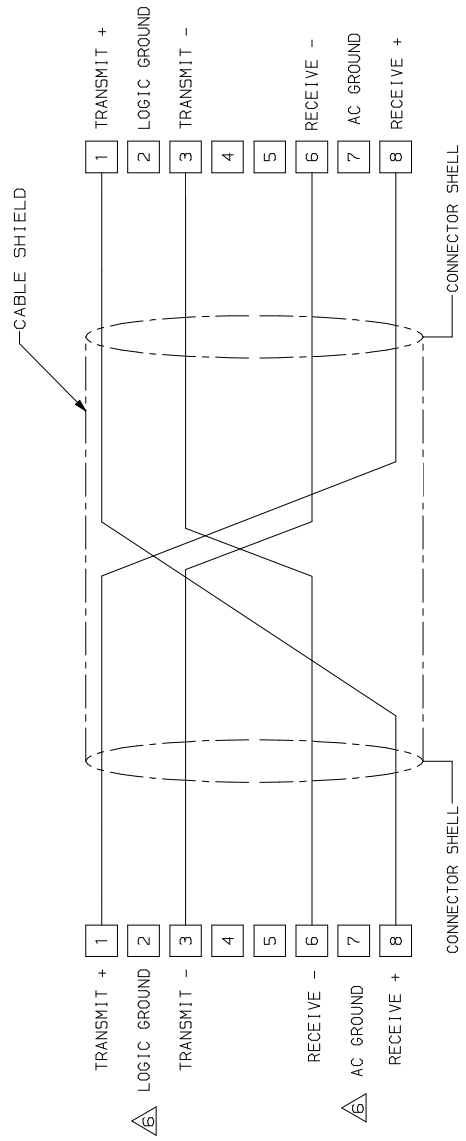
- Equalization
 - Designed for data rate and length of cable
 - 20 m and longer are equalized for gigabit data rates

HSSDC

- HSSDC Standardization
 - Contained In: FC-PH-3, SSA-PH2, SFF-8460
 - NP submitted to IEC/expect formal approval in May
 - Being considered for: IEEE 802.3z, IEEE P1394.2

LOC	DIRT	P	F	ZONE	LTR	REVISIONS	DATE	APPD
CF	39				E	SEE SHIT #1	11-29-96	JS

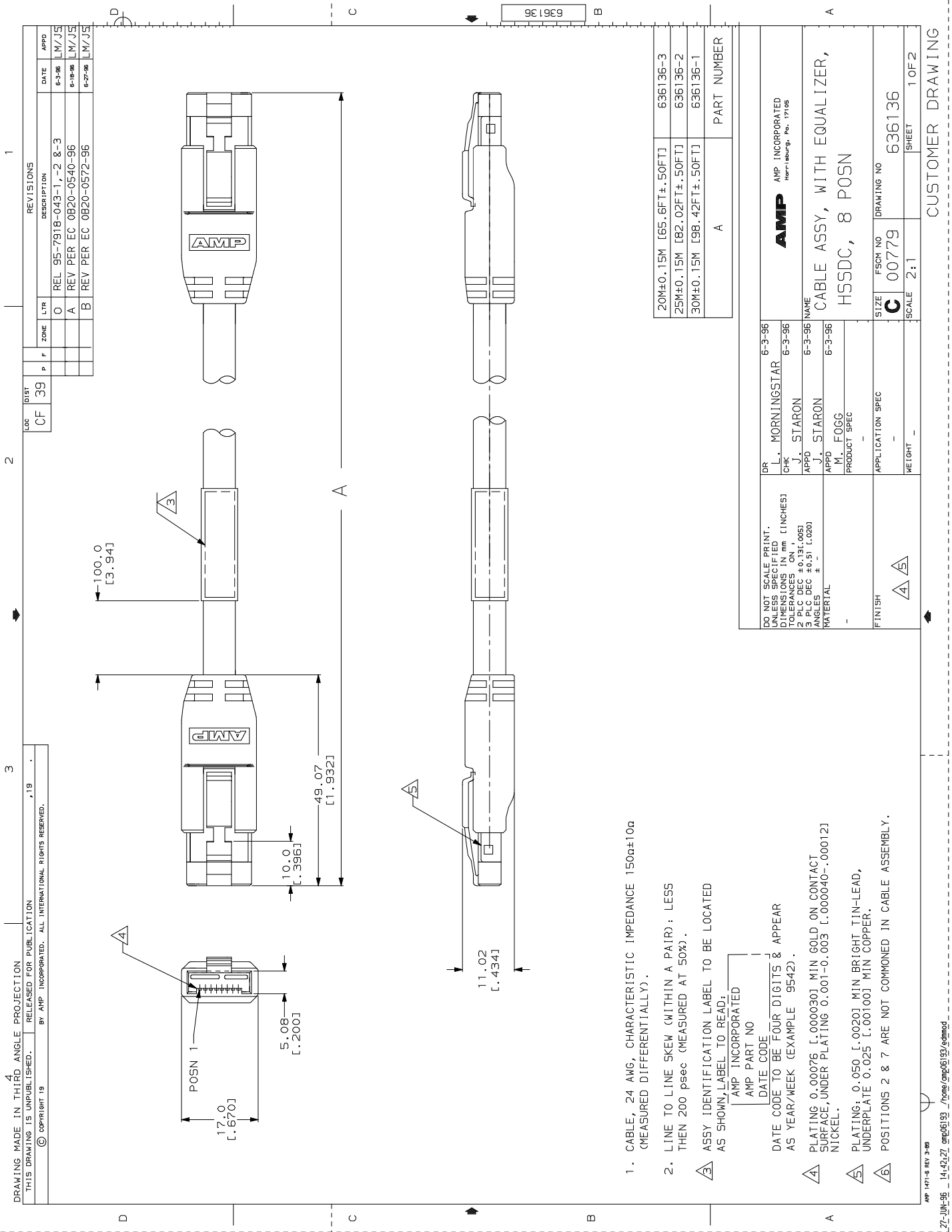
WIRING SCHEMATIC



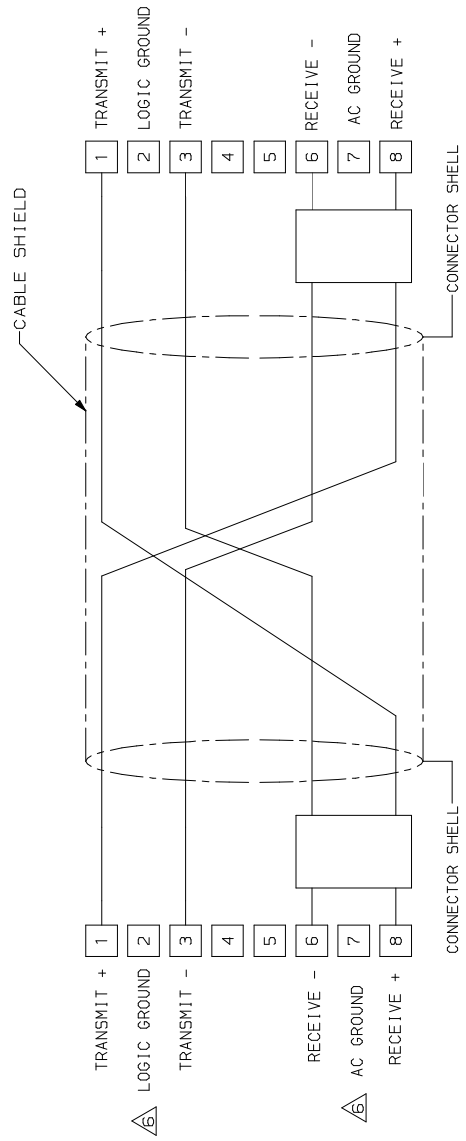
621724

DO NOT SCALE PRINT. DIMENSIONS SPECIFIED DIMENSIONS IN mm [INCHES] TOLERANCES ON: 2 PLC DEC ± 0.51 (.020) ANGLES ± .5	DR S. J. MAGARO CHK J. STARON APPD J. STARON M. FOGG PRODUCT SPEC	8/1/95 2-29-96 2-29-96 2-29-96	AMP INCORPORATED Harrisburg, Pa. 17105
CABLE ASSY, HSSDC, 8 POSN	FSCH NO 00779	DRAWING NO 621724	
FINISH -	APPLICATION SPEC -	SIZE C	
WEIGHT -	SCALE 2:1	SHEET 2 OF 2	

CUSTOMER DRAWING



WIRING SCHEMATIC



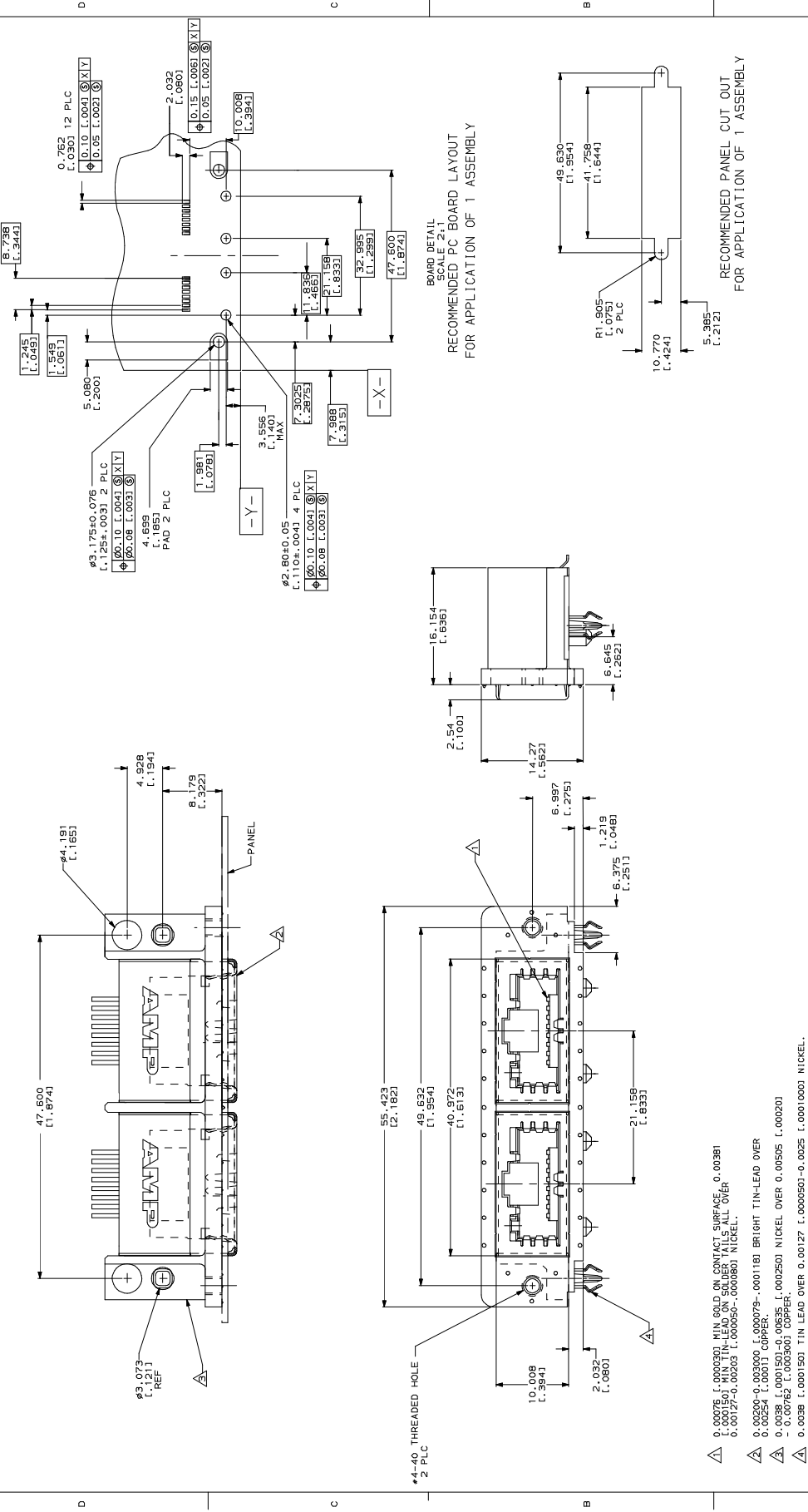
DO NOT SCALE PRINT. DIMENSIONS IN mm [INCHES] TOLERANCES ON + 2 PLC DEC ± 0.51(.020) ANGLES ± .1	DR L MORNINGSTAR CHK J STARON APPD J STARON M FOGG	6-3-96 6-3-96 6-3-96 6-3-96	AMP INCORPORATED Merrillburg, Pa. 17105
MATERIAL	PRODUCT SPEC	NAME	CABLE ASSY, WITH EQUALIZER, HSSDC, 8 POSN
FINISH	APPLICATION SPEC	SIZE	636136
WEIGHT	SCALE	DRAWING NO	00779
	2:1	SHEET	2 OF 2

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REV	DATE	DESCRIPTION
0		REL
A		REV PER EC 0820-0615-96
B		REV PER EC 0820-0832-96

[illegible]

- TEST SET-UP
 - HP 8133A Pulse Generator
 - Tektronix 11801B Oscilloscope w/ SD24 Sampling Heads - Bandwidth > 20 GHz
 - AMP Impedance Controlled Test Board
 - SMA connectors