



NUMBERS CLOCKED IN EACH LAYER, NUMBERS FACING OUT

ELECTRICAL

IMPEDANCE: 100 ± 5 Ω (DIFFERENTIAL TDR)
 CAPACITANCE: 42 pF / M NOMINAL
 PROP DELAY: 4.25 ns / M NOMINAL
 SKEW (WITHIN PAIR): ≤ 100 ps / 5 M (TDT METHOD, DRAIN GROUNDED)
 (DIFFERENTIAL 50%-50%, TEKTRONIX TDS-8000 OR 11801)
 NEAR END CROSSTALK: BETTER THAN -55 dB @ 1.25 GHz (-65 dB TYPICAL)
 ATTENUATION (NOMINAL): 0.87 dB / M @ 625 MHz 1.41 dB / M @ 1562 MHz
 1.25 dB / M @ 1250 MHz 2.04 dB / M @ 3125 MHz
 1.81 dB / M @ 2500 MHz 2.98 dB / M @ 6250 MHz
 2.63 dB / M @ 5000 MHz
 SHIELD ISOLATION: OVERALL SHIELDS ISOLATED FROM PAIR SHIELDS

PHYSICAL

(16) SHIELDED PARALLEL PAIRS
 28 AWG SOLID SILVER PLATED COPPER
 .0355 NOM DIAMETER FOAM POLYOLEFIN, ONE NATURAL, OTHER RED TINT
 PARALLEL PAIR WITH DRAIN: 30 AWG SOLID TINNED COPPER
 .001 ALUMINIZED POLYESTER, FOIL IN, 20% MIN OVERLAP,
 WHITE, NUMBERED 1 THRU 8 ON SIDE OPPOSITE DRAIN
 YELLOW, NUMBERED 9 THRU 16 ON SIDE OPPOSITE DRAIN
 CLEAR POLYESTER, HEAT SEALED
 CABLING: TWISTED TO ROUND, FILLER AND BINDER AS REQUIRED
 BINDER: POLYOLEFIN TAPE
 OVERALL SHIELD {1}: .001 ALUMINIZED POLYESTER, FOIL OUT,
 20% MIN OVERLAP (.290 REF DIAMETER)
 OVERALL SHIELD {2}: 36 AWG TINNED COPPER BRAID, 85% MIN COVERAGE
 JACKET: .030 NOM WALL PVC, BLACK
 DIAMETER: .375 ± .015
 PRINT LEGEND: AMPHENOL SPECTRA-STRIP SKEWCLEAR® 16 PAIR 28 AWG
 (UL) 75° C CL2 CSA AWM I/II A 75° C 300V FT4
 ROHS COMPLIANT 166-2899-987 REV 1 <DATE CODE>

CONFORMANCE: UL CL2 CSA FT4 75°C
 RoHS COMPLIANT

REVISION	CHANGES
1	MAJOR REVISION FOR RoHS

ALL DIMENSIONS ARE INCHES UNLESS OTHERWISE NOTED

DRAWN BY GPV 06-25-02	PROD ENG	QA	MKT	P/ECN #	DRAWING NO. 166-2899-987	AMPHENOL SPECTRA-STRIP 720 SHERMAN AVENUE TEL (203) 281-3200 HAMDEN CT 06514 FAX (203) 281-5872	Rev 1
TITLE: (16) SHIELDED PAIRS, 100 OHM, 28 AWG SKEWCLEAR® / InfiniBand 8X					Sheet 1 of 1		