DABX

Video Distribution Amplifier Card

Bittree® DABX Video Distribution Amplifier Card (DA)
For use with DAF32X Video Distribution Frame
(sold separately)

DABX Video Distribution Amplifier Card (DA)

Technical Specifications:
• 1 in x 4 out
• Coax in and out
• Auto equalizing
• Multi-rate reclocking up to 12Gb/s
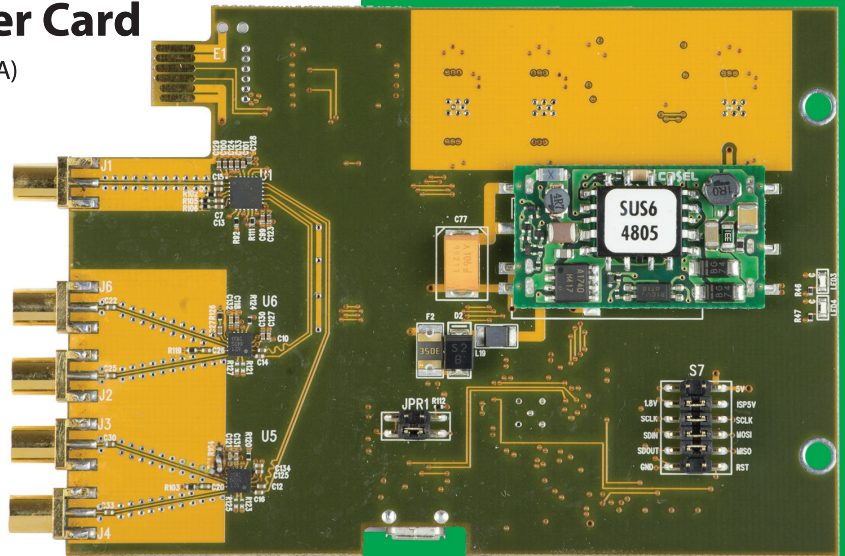• Supports all HD/SD formats
• Supports AES & Madi

Input
• Number of Inputs 1
• Input Connection DIN 1.0/2.3
• Input Impedance 75 Ohm
• Input Return Loss
   > 15dB to 1.5GHz   > 10dB to 3GHz   > 5dB to 12GHz
• Signal Level 800mV +/-10%

Output
• Outputs 4 Coax
• Output Connection Din
• Output Impedance 75 Ohm
• Output Return Loss
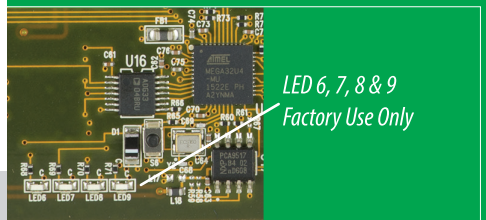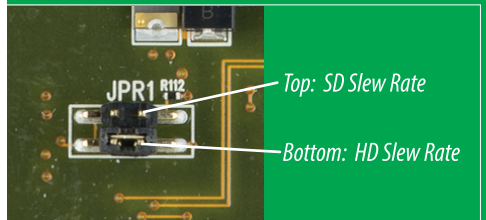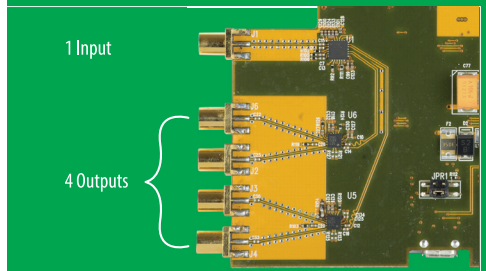   > 15dB to 1.5GHz   > 10dB to 3GHz   > 5dB to 12GHz

Performance Standards
• SMPTE 424M, 292M, 259M, 344M, ST2081, ST2082
• Data Rates 143, 177, 270, 360, 540, 1485, 2970, 5940, 11880 Mb/s
• Max Cable Length @ 11.88 GHz
   - Belden 4855R 149FT / 45M
   - Belden 4505R 208FT / 63M
• Equalization Mode Automatic Multi-Rate Re-clocking
• Signal Level 800mV Nominal
• DC Offset 0V +/-0.5V
• Rise & Fall Time 200ps nominal
• Overshoot < 10% of amplitude Wideband Jitter < 0.1 UI @ 3G
• Rise & Fall Time 200ps nominal
• Overshoot < 10% of amplitude
• Wideband Jitter < 0.1 UI @ 3G

Red: ON=Signal Loss

Blue: ON=Signal Lock

1 Input

4 Outputs

Top: SD Slew Rate

Bottom: HD Slew Rate

LED 6, 7, 8 & 9
Factory Use Only

CE   RoHS 2011/65/EU