

Product Specification HDMI 30 AWG DIY connector/clamshell for ribbon cable	Part Number: LUX-DIY-30BS10										
Product Image 	Product Drawing 										
	General Connector type: HDMI Type A Gender: male Number of pins: 19 HDMI spec compliance: rev 1.4 Compatible raw cable: 30 AWG Luxi ribbon cable										
Features and Benefits <ul style="list-style-type: none"> > Luxi Electronics patented HDMI DIY design > Luxi Electronics patent pending HDMI locking plug design > Terminate HDMI in the field in about 2 minutes > No solder, no wire stripping, just one crimp > Better electrical performance than factory made cable! > Pull HDMI raw cable thru wall then terminate > HDMI plug repair in the field > Cut to length in rack termination for neat wire dressing > Plenum HDMI raw cable, available soon > Gold plated full metal shell for better strength and shielding > Each component interlocks to each other for high reliability > Increased wall thickness for high strength and no cracking > RoHS compliant 	Mechanical <ul style="list-style-type: none"> Overall plug width (with clamshell): 0.810" (20.6 mm) Overall plug height (with clamshell): 0.447" (11.4 mm) Overall plug length (with clamshell): 2.008" (51.0 mm) Retaining force (pulling from female): 10 lbs (4.5 kg) typical Contact pin gold plating: 30 u" (0.76 um) Top metal shell gold plating: 2 u" (0.05 um) Contact pin pitch: 0.039" (1.00 mm) 										
Package 10 sets of components (for making 10 connectors) in one PET tray; and 10 sets of clamshells in another tray	Electrical <ul style="list-style-type: none"> Supported formats: 3D, 4kx2k, deep color, 1080p, etc Max data rate: depends on cable length; 24 Gbps at 2 m Max cable length: 9 m at 1080p typical (30 AWG cable) up to 16 m with HDMI extender Max current: 0.5 A Max voltage: 40 V Shielded: Yes Impedance: 100 ohms +/-2 at the termination point 										
 <ul style="list-style-type: none"> 10-pc tray: 12.6" (32 cm) x 4.1" (10 cm) x 0.55" (1.4 cm) 10-pc tray weight: 0.5 lb (230 g) 300-pc box: 13.8" (33 cm) x 13.8" (33 cm) x 12.8" (33 cm) 300-pc box weight: 16.5 lb (7.5 kg) 											
Other Related Products Hand tool, P/N 68-011-01, model DIY-28T	<table border="1"> <tr> <td colspan="2">Parameter Name: HDMI Cat2 Transition Area Impedance D0</td> </tr> <tr> <td>Spc Max: 115 Ω;Ext: 125 Ω</td> <td>Spc Min: 85 Ω;Ext: 75 Ω</td> </tr> <tr> <td>Max: 102.39 Ohms at 39.1872 ns</td> <td>Min: 82.86 Ohms at 39.3472 ns</td> </tr> <tr> <td>Δ D: 9.53</td> <td>Avg: 97.63 Ohms</td> </tr> <tr> <td>Duration Max: 250 ps</td> <td>Result: Pass</td> </tr> </table>	Parameter Name: HDMI Cat2 Transition Area Impedance D0		Spc Max: 115 Ω;Ext: 125 Ω	Spc Min: 85 Ω;Ext: 75 Ω	Max: 102.39 Ohms at 39.1872 ns	Min: 82.86 Ohms at 39.3472 ns	Δ D: 9.53	Avg: 97.63 Ohms	Duration Max: 250 ps	Result: Pass
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 <p>HDMI raw cable spool in a box, available in 2 lengths 250' (76 m) spool, P/N 22-002-04, model HD-300RB250 500' (152 m) spool, P/N 22-002-05, model HD-300RB500</p>											
 <p>HDMI Extender P/N 74-005-01 model EHD-110</p> 											