

#### MATERIAL

Overall Shield: Copper C2680,  $t=0.009$  in (0.25 mm), plated with  $30\text{ }\mu\text{in}$  ( $0.67\text{ }\mu\text{m}$ ) nickel

Housing: High-impact Acrylonitrile Butadiene Styrene (ABS resin), UL 94 V-0 rated

Jack Contacts: 5100W spring temper phosphor bronze round wire,  $\varnothing=0.018$  in (0.45 mm), plated with  $50\text{ }\mu\text{in}$  ( $1.27\text{ }\mu\text{m}$ ) minimum thick hard gold over  $100\text{ }\mu\text{in}$  ( $2.54\text{ }\mu\text{m}$ ) minimum thick nickel underplate

PCB: FR4, UL 94 V-0 rated

RoHS compliant

#### PERFORMANCE




MHz Support: 1~100 MHz

Compliant: Support TIA-568-C.2 Cat.5e Channel environment

Bandwidth Support: 10/100/1000 Mbps



**LISTED** **UL 1863**  
**41VN** **COMMUNICATIONS-CIRCUIT**  
**E191644** **ACCESSORIES**

DRAWN BY Autumn Lee					Another quality product from  <b>BLACK BOX</b> <small>NET IT FASTER. BUILT TO LAST.</small> 726-746-9308 • www.blackbox.com				
APPROVED BY Jerry Su					TITLE CAT5e Straight Coupler Shielded, Silver				
DIMENSIONS ARE [IN (MM)] TOLERANCES:					PARTS NO. FM508-R2, FM508-R2-10PAK				
~0.8"		~2"		~6"		6"~		ANGLE	
±0.007"		±0.015"		±0.02"		±0.06"		2"	
3rd Angle Projection						DATE 2010/04/19		SCALE X	
						SHEET 1/1		REV. 1	