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LOC

DIST

AJ17

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	REVISED PER EC OS14-0098-05	11MAY2006	KS	KW

200±5

REFERENCE PLANE TO CENTERLINE

ORIENTED FLAT

7.90 HEX

SMA BULKHEAD JACK

3.20 MAX PANEL THICKNESS

OSMT JACK

INSULATING DISK

2.1 REF

ø2.5 REF

ø1.3 REF CABLE

ø6.40 MIN

6.00 MIN

1. PERFORMANCE SHOWN FOR SSMT CONNECTOR AND CABLE ONLY.
FOR CABLE ASSEMBLY DATA CONSULT FACTORY.

RECOMENDED MOUNTING HOLE

SMA CONNECTOR		
HOUSING & COUPLING NUT	STAINLESS STEEL	PASSIVATE
CENTER CONTACT	BERYLLIUM COPPER	GOLD PLATE
INNER CONTACT	BERYLLIUM COPPER	GOLD PLATE
DIELECTRIC	TETRAFLUOROETHYLENE (TFE)	N/A
RETAINING RING	BERYLLIUM COPPER	N/A
GASKET	SILICONE RUBBER	N/A
FERRULE	COPPER OR BRASS	NICKEL PLATE
SHRINK TUBING	HEAT SHRINKABLE POLYOLEFIN COMPOUND	N/A

SSMT CONNECTOR		
OUTER CONTACT	BERYLLIUM COPPER	GOLD PLATE OVER NICKEL PLATE
CENTER CONTACT	BERYLLIUM COPPER	GOLD PLATE OVER NICKEL PLATE
DIELECTRIC	POLYPROPYLENE, GF	N/A

CABLE		
JACKET	FLUORINATED ETHYLENE PROPYLENE (FEP)	N/A
SHIELD	COPPER WIRE, 44 AWG	SILVER PLATED
DIELECTRIC	POLYTETRAFLUOROETHYLENE (PTFE)	N/A
CENTER CONDUCTOR	COPPER CLAD STEEL, 30 AWG	SILVER PLATED

INSULATING DISK	POLYESTER	N/A
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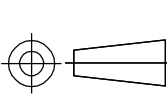
COMPONENT	MATERIAL	FINISH
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ELECTRICAL	
FREQUENCY	DC - 6 GHz
NOMINAL IMPEDENCE	50 OHMS
VOLTAGE RATING	250 VOLTS (VRMS MAX) @ SEA LEVEL
VSWR (MATED CONNECTORS ONLY)	1.20:1 MAX @ 2 GHz 1.40:1 MAX @ 6 GHz
INSULATION RESISTANCE	1,000 MEGOHMS MIN @ 250 VDC
DIELECTRIC WITHSTANDING VOLTAGE	500 VOLTS (VRMS MIN) @ SEA LEVEL

MECHANICAL	
CONNECTOR DURABILITY	100 MATING CYCLES

ENVIRONMENTAL	
TEMPERATURE RATING	-40°C(-40°F) TO +125°C(257°F)

PRODUCT SPEC

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN DK SCHRUM 11MAY2006	Tyco Electronics Corporation Harrisburg, PA 17105-3608		
DIMENSIONS: mm		CHK KE WEIDNER 11MAY2006	NAME		
		APVD KE WEIDNER 11MAY2006	PRODUCT SPEC		
		APPLICATION SPEC			
		WEIGHT			
MATERIAL	FINISH	CUSTOMER DRAWING	SCALE 4:1	SHEET 1 of 1	REV B

1064553-1

PART NUMBER

1064553

B

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1064553