



**Product Specification**

**Material**

Insulator: Glass filled NYLON9T UL94V-0, Black  
 Contact :Phosphor Bronze, 0.20mm Thickness  
 Plated: Tin Plated 160u" over Nickel (Lead Free)

**MECHANICAL PERFORMANCE:**

Durability: Per MIL-STD-1344, Method 2016.25 Cycles  
 Vibration: Per MIL-STD-810C, Method 514.2 10-200,000Hz 5G's  
 Shock: Per MIL-STD-810C, Method 516.2.35G's  
 Acceleration: Per MIL-STD-810C, Method 513.2.15G's  
 Contact Force: 210g/per pin.

**ELECTRICAL PERFORMANCE:**

Contact Interface Resistance:  
 Initial:6.5 Milliohms Average  
 Final: 15.0 Milliohms Average Max After Testing  
 Insulation Resistance:10000 Megohms min.  
 Dielectric Strength: 1000V/AC continuous for 1 minute.  
 Operating and Storage Temperature :-40°C to +105°C

**Order Information:**

-SM : Without Polarizing Peg  
 -SMP : With Polarizing Peg

**Dimensions**

No of Contacts	A±0.2	B±0.2	C±0.1	D±0.1	E±0.1	F±0.1	G±0.2	H±0.1
20	15.65	15.65	5.08	5.08	10.03	10.03	12.70	6.35
28	18.18	18.18	7.62	7.62	12.57	12.57	15.24	7.62
32	18.18	20.75	7.62	10.16	12.57	15.11	17.78	7.62
44	23.28	23.28	12.70	12.70	17.65	17.65	20.32	10.16
52	25.84	25.84	15.24	15.24	20.19	20.19	22.86	11.43
68	30.95	30.95	20.32	20.32	25.27	25.27	27.94	13.97
84	36.00	36.00	25.40	25.40	30.35	30.35	33.02	16.15

**RoHS compliant**

Scale	1:1							
TOLERANCE	X.	±X			Drawn	13.10.1998	Helwig	Customer-No. Conrad P/N : 183854
	X.X	±X			Approved	23.07.2009	Helwig	ASSMANN WSW-No. A-CCS 044-Z-SM
	X.XX	±X						Drawing-No. ASS 0142 CO
	X.XX	±X						rev02
X°	±X			Update	23.07.2009	Dean		
Angle	TOL			Drawn	13.10.1998	Helwig	Replace	Sheet
				Id.				
				Modification				

