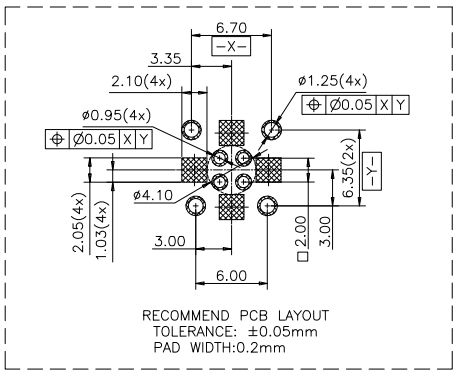
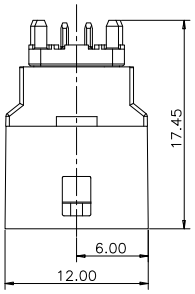
Rev	AWO #	Description	Date	Appr
-		RELEASED	7/19/19	

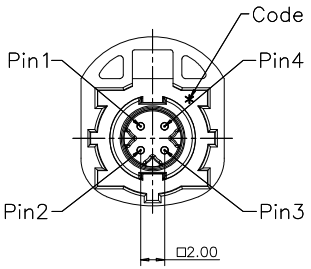
APPROVED: _____

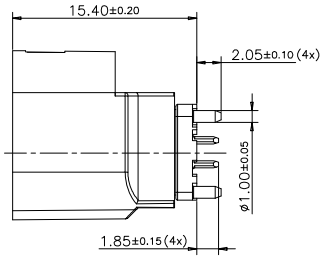
DATE: _____ TITLE: _____

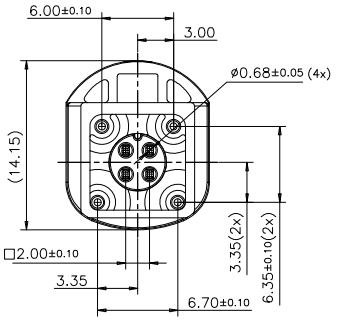


RECOMMEND PCB LAYOUT
TOLERANCE: ±0.05mm
PAD WIDTH:0.2mm









SPECIFICATIONS:
MATERIAL:
HOUSING: HI-TEMP THERMOPLASTIC, RATED UL 94V-0
SIGNAL TERMINAL: COPPER ALLOY
SOCKET: ZINC ALLOY, TIN OVER NICKEL PLATED
PLATING:
6U" GOLD OVER NICKEL UNDERPLATE ON CONTACT AREA,
TIN OVER NICKEL UNDERPLATE ON SOLDER TAILS

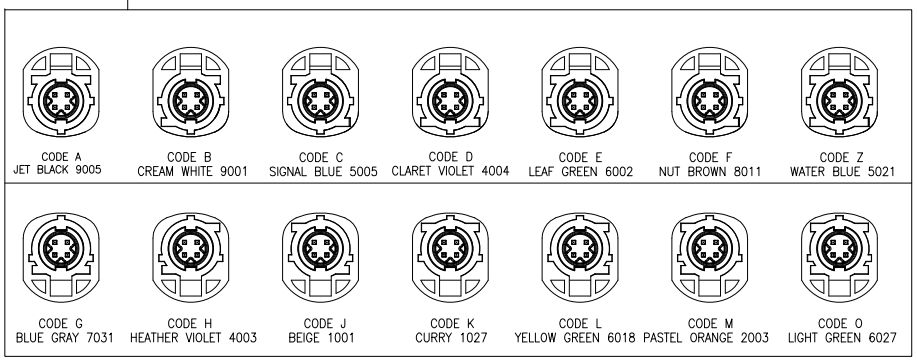
SPECIFICATION:
ELECTRICAL DATA
1.IMPEDANCE,DIFFERENTIAL MODE:100Ω DIFFERENTIAL SIGNALLING,FOR ONE PAIR OR QUAD CABLE SHIELDED;
2.FREQUENCY:DC TO 2.0 GHz;
3.RETURN LOSS:≥20 dB TO 1.0 GHz;≥17dB TO 2.0 GHz;
4.INSERTION LOSS:≤0.1X $\sqrt{f(GHz)}$ dB;
5.SKEW(BETWEEN SIGNAL CONTACTS):≤5 psec.;
6.NEAREND-CROSSTALK:≤30 dB;
7.FAREND-CROSSTALK:≤35 dB;
8.INSULATION RESISTANCE:≥1000 MΩ;
9.SIGNAL TERMINAL RESISTANCE:≤10 mΩ;
10.SHIELDING SHELL RESISTANCE:≤7.5 mΩ;
11.TEST VOLTAGE:250V rms;
12.WORK VOLTAGE:100V rms;
13.POWER CURRENT AT 85℃:≤2.5A DC;
14.RF-LEAKAGE(SHIEDING EFFECTIVENESS):
≥70 dB UP TO 1 GHz (IEC62153-4-7);
≥60 dB UP TO 2 GHz (IEC62153-4-7);

MECHANICAL DATA
1.MATING CYCLES:≥25
2.ENGAGEMENT FORCE:≤30 N
3.DISENGAGEMENT FORCE:≥5 N
4.RETENTION FORCE LATCH:110 N
5.CODING EFFICIENCY:≥80 N

TEMPERATURE RATING:
-40°C TO +105°C
ENVIRONMENTAL:
LEAD FREE, ROHS COMPLIANT

RoHS COMPLIANT

HSD-04X-S-PT-SG-C2



UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE MILLIMETERS
TOLERANCES: EXCEPT AS NOTED

MM	ANGLE
X. ± 0.30	
X.X ± 0.20	X. ±0.5°
X.XX ± 0.15	X.X ±0.3°
X.XXX ± 0.10	

APPROVALS		DATE
DRAWN	AY	7/19/19
CHECKED	TY	7/19/19
APPROVED		

ADAM TECH INTERCONNECTS
909 Rahway Avenue,
Union, NJ 07083
Phone: 908-687-5000
Fax: 908-687-5710

TITLE
HSD FAKRA STRAIGHT PLUG

SIZE	PART NO.	REV.
X	HSD-04X-S-PT-SG-C2	-

REF:	SCALE:	SHEET
S00005C	NTS	1 OF 1