

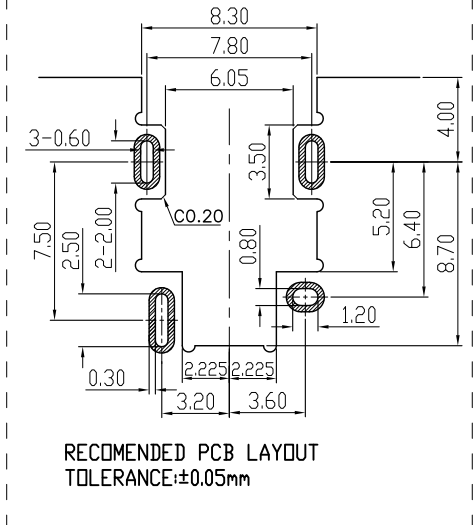
HALOGEN FREE

REVISIONS

REV	DESCRIPTION	DWN	DATE
C	MODIFY NOTE	KELLY	2018-01-31
D	ADD PLATING SPCE	KELLY	2018-03-23

SPECIFICATIONS:

- ELECTRICAL SPEC:
 - RATED CURRENT:11.5A
 - RATED VOLTAGE:20V
 - INSULATION RESISTANCE:100MΩ MIN.AFTER BY 500V DC FOR 1MINUTE
 - DIELECTRIC WITHSTANDING VOLTAGE: 500V AC FOR 1MINUTE
 - CONTACT RESISTANCE:30mΩ MAX(INITIAL)
- MECHANICAL SPEC:
 - INSERTION FORCE:2.5Kgf MAX
 - WITHDRAWAL FORCE:0.7Kgf MIN AFTER LIFE TEST: 0.6Kgf MIN $\triangle C$
- LIFE TEST(INSERTION/WITHDRAWAL):5000 CYCLES MIN
- LOW HALOGEN SPEC:
 - Br < 900 ppm
 - Cl < 900 ppm
 - Br+Cl < 1500 ppm
- MATERIAL:
 - HOUSING:PA4T;UL 94V-0,COLOR:BLACK
 - CONTACT:COPPER ALLOY
 - SHELL:COPPER ALLOY
- FINISH:
 - CONTACT: GOLD PLATING ON CONTACT AREA(SEE NOTE 7),MATTE SN 80u" MIN ON SOLDER TAIL,ALL OVER NI 50u" MIN.
 - SHELL: GOLD PLATING ON CONTACT AREA(SEE NOTE 7), ALL OVER NI 50u" MIN.
- PART LEGEND: DCJ-043-1N03HX



RECOMMENDED PCB LAYOUT
TOLERANCE:±0.05mm

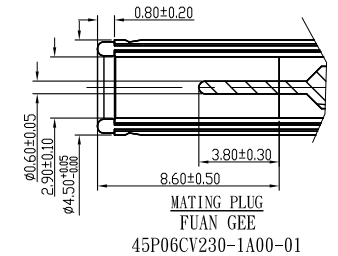
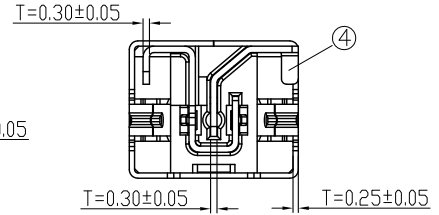
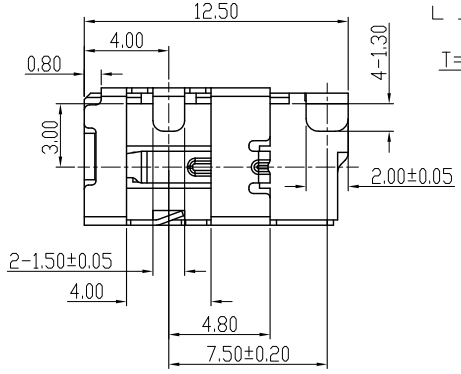
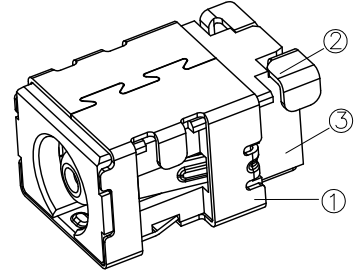
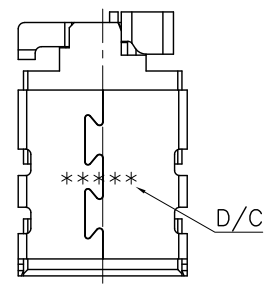
E

D

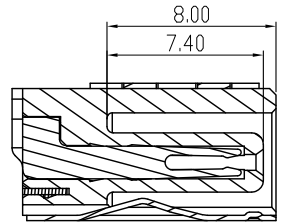
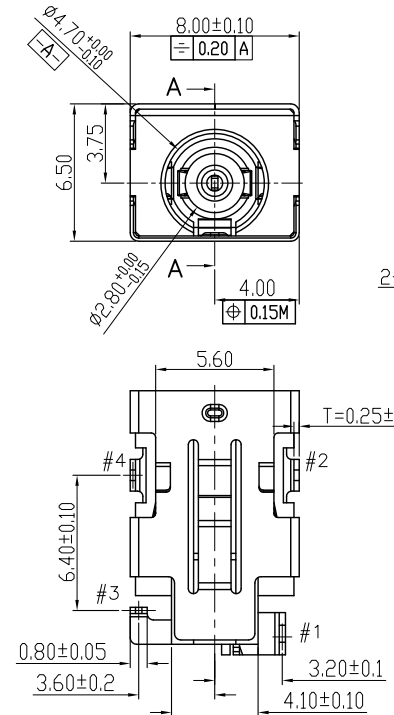
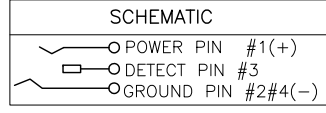
C

B

A



Au PLATING ON CONTACT AREA
P: 30u" Pd/Ni MIN WITN 5u" Au
1: 5u" Au
G: GLOD FLASH



SECTION:A-A

Build of material:

NO	DESCRIPTION	QTY	MATERIAL	FINISH(COR COLOR)
4	HP SLIM DC IN JACK OFFSE-DETECT PIN	1	PHOSPHOR BRONZE T=0.30±0.05mm	30u" Pd/Au MIN WITH 5u" Au ON CONTACT AREA, MATTE SN 80u" MIN ON SOLDER TAIL, ALL OVER NI 50u" MIN.
3	HP SLIM DC IN JACK OFFSE-POWER PIN	1	COPPER ALLOY T=0.30±0.03mm	30u" Pd/Au MIN WITH 5u" Au ON CONTACT AREA, MATTE SN 80u" MIN ON SOLDER TAIL, ALL OVER NI 50u" MIN.
2	HP SLIM DC IN JACK OFFSE-HOUSING	1	PA4T	BLACK
1	HP SLIM DC IN JACK OFFSE-SHELL	1	COPPER ALLOY T=0.25±0.03mm	30u" Pd/Au MIN WITH 5u" Au ON CONTACT AREA, ALL OVER NI 50u" MIN.

GENERAL TOLERANCES (OTHERWISE SPECIFIED)	SCALE	DESIGN UNITS
4 PLS ±	NONE	MILIMETER
3 PLS ±		
2 PLS ±		
1 PLS ±		
ANGLES ± °		
QUALITY SYMBOLS		
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO VITECK CORP, LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

DRAWN BY	DATE
KELLY	2018-01-31
CHECKED BY	DATE
APPROVED BY	DATE
DRAWING NO.	SD-DCJ043-001

VITECK CO., LTD.			
TITLE DC POWER JACK CH=-3.0mm H=6.5mm DD=4.5mm			
PART NO. DCJ-043-1N03HX			
THIRD ANGLE PROJECTION	DWG REV. D	SHEET NO. 1 OF 1	SIZE

7

6

5

4

3

2

1

