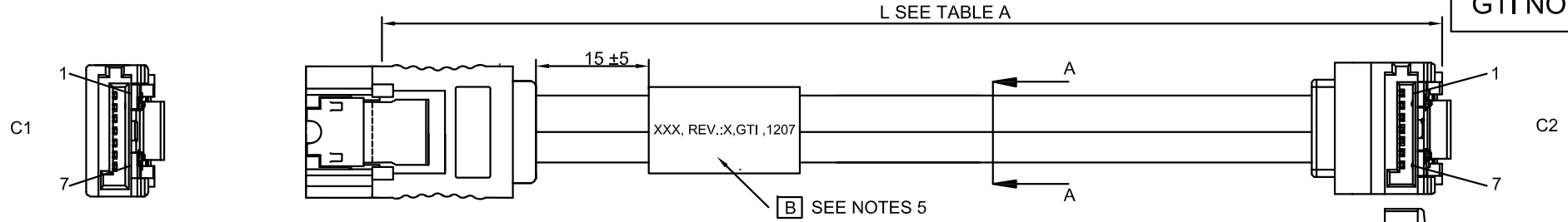
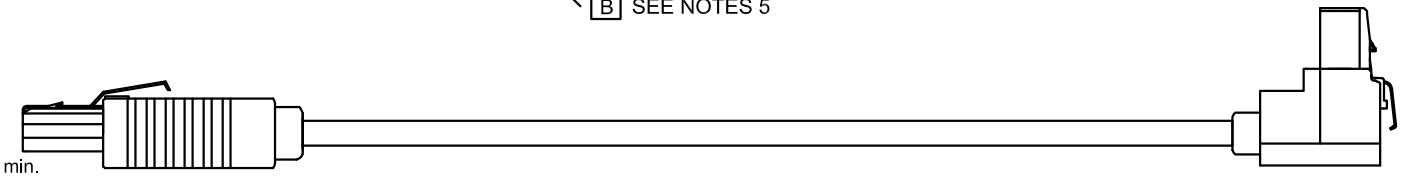
GTI NO.:G00264





E NOTES:

1.Electrical:
- a.Rated Voltage: 30 VDC max
- b.Rated Current: 1.5 Amps @40V AC
- c.Insulation Resistance: 1000 Megaohms min.
- d.Dielectric Withstand Voltage: 500V AC.
- e.Contact Resistance: 500 milliohms max.
- f. Mated Connector Impedance: 100 ohms±15%.
- g.Cable Absolute Impedance: 100 ohms ± 10%.
- h.Cable Pair Matching: ±5 ohms.
- i.Common Mode Impedance: 25 to 40 ohms.
- j.Crosstalk: NEXT = -26 dB.
- k.Rise Time: 85 psec max.
- l. Intrapair Skew: 10 psec max.
- m.ISI: 50psec max.

2.Mechanical:
- a.Material:
  - Contacts: phosphor bronze
  - Housing/Flammability Rating: PBT 30% G/F ,UL94V-0,BLACK
  - Shell: Nickel Plating
- b.Plating:
  - Contacts: Gold Plating
  - Shell: Nickel Plating
- c.Insertion Force: 45 N max.
  - Extraction Force: 10N min

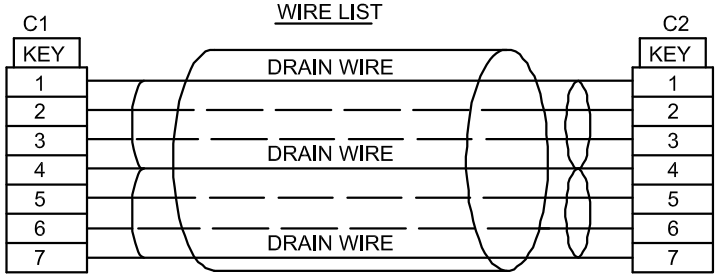
3.Environmental:
- a.Operating/Storage Temperature:-20°C to 85°C

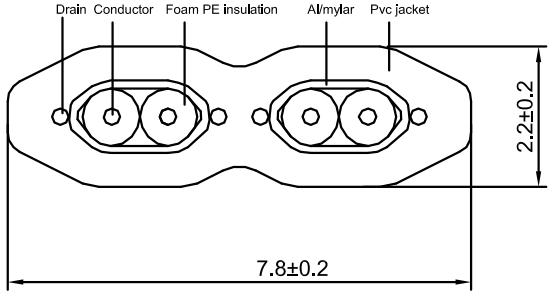
4.Compliance:
- a.Material/Safety:Rohs
- b.Standard: SATA 1.0a Compliance

5.Order information:
- Label Shall Print SA Part Number, Revision, Vendor ID and Date Code.

6.Test:
- a.100%TEST OPEN,SHORT,MISWIRE
- b.CONTACT RESISTANCE:2Ω MAX
- c.INSULATION RESISTANCE:50MΩ MIN
- d.HI-POT:300VDC/1S

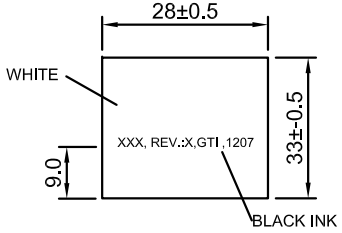
WIRE LIST



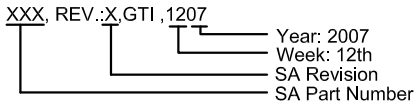


G

A-A SECTION



Label detail



C D TABLE A

F

SA P/N,REV.	PART NUMBER	LENGTH
	SC-10570-01	254 ± 5mm (10")
	SC-10570-02	305 ± 10mm (12")
1004943,REV.:02	SC-10570-03	330 ± 10 mm (13")
1005621,REV.:01	SC-10570-04	406 ± 15mm (16")

REV	ECN NO.	NAME	DATE
G	REVISE WIRE SECTION	Vicky	06/20/09'
F	MODIFY TABLE A	Betty	07/26/07'
E	UPDATE THE NOTES	Betty	07/16/07'
D	MODIFY TABLE A	Betty	06/06/07'
C	MODIFY TABLE A	Betty	01/04/07'
B	ADD LABEL	Betty	12/07/06'
A	ISSUED	Betty	12/07/06'

TOLERANCE	
LINEAR	ANGLES
X.±	X°.±
.X±0.25	.X°±
.XX±0.15	.XX°±
.XXX±0.05	.XXX°±

GENESIS TECHNOLOGY,INC
a Genesis Electro-Mechanical Company
3 Ind Area Guan Lan Shenzhen China 518110

APPD:	MAT'L:
CHKD:	FINISH:
DRWN:	Q'TY:

TITLE: SATA CABLE ASSY STRAIGHT TO RA

PART NO. SC-10570-XX

DWG NO.

UNITS	SCALE	SHEET	REV
MM	NONE	1 OF 1	G