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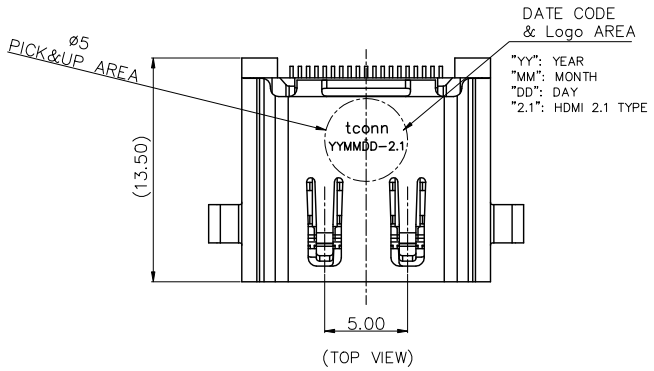
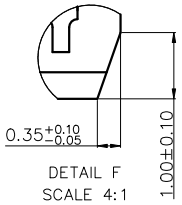
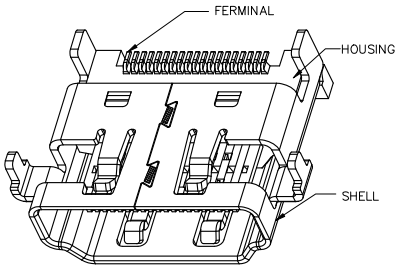


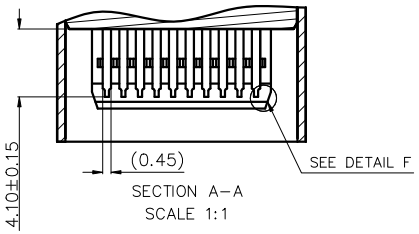
(TOP VIEW)



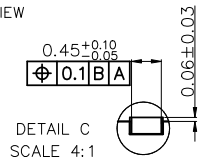
DETAIL F
SCALE 4:1



3D VIEW



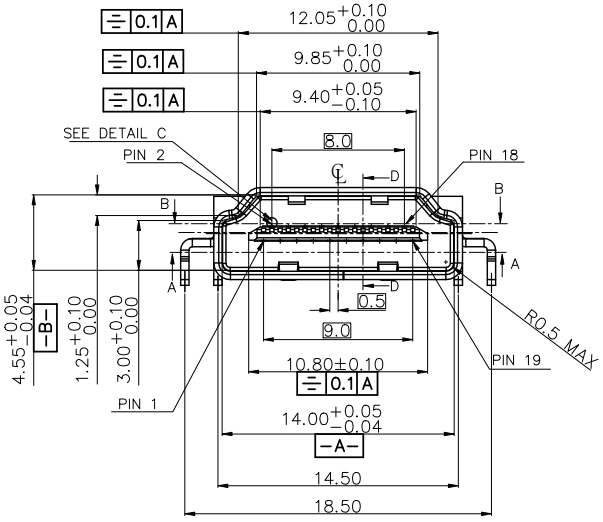
SECTION A-A
SCALE 1:1

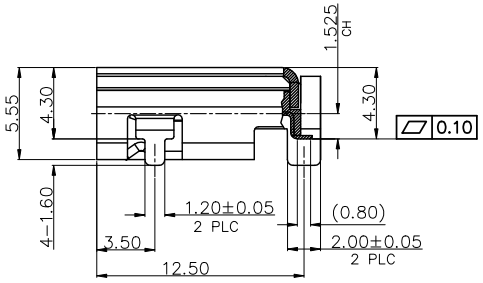


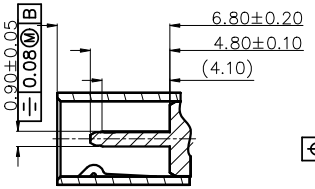
DETAIL C
SCALE 4:1

CONTACTS: GOLD
CONTACTS PLATING THICKNESS: GF~30u"
SOLDERING PLATING: MATTE-TIN 100u"
SHELL PLATING: NICKEL

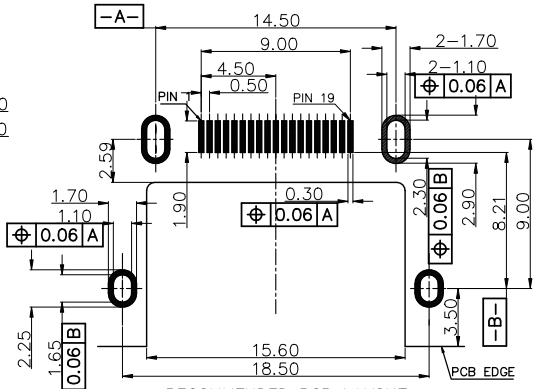
NOTES:
1.MATERIAL:
  1-1 HOUSING: LCP E130I WITH 30% G/F UL 94V-0 COLOR: BLACK.
  1-2 TERMINAL: COPPER ALLOY C2680 T=0.20mm
  1-3 SHELL: COPPER ALLOY C2680 T=0.50mm
2.PLATING:
  2-1 TERMINAL:
    (SEE TABLE)GOLD PLATED ON CONTACT AREA
    AND 2.54um [100u"] MIN. MATTE-TIN ON SOLDER TAIL,
    WITH ENTIRE CONTACT UNDERPLATED 1.27um [50u"] MIN.NICKEL.
  2-2 SHELL: 1.27um [50u"] MIN. NICKEL PLATED.
3.ELECTRICAL PERFORMANCE:
  3-1 CONTACT RESISTANC: INITIAL CONTACE RESISTANCE
    EXCLUDING CONDUCTOR RESISTANCE: 10 MILLIOHMS MAX.
  3-2 DIELECTRIC STRENGTH: UNMATED CONNECTORS APPLY 500V AC
    MATED CONNECTOR APPLY 300V AC
  3-3 INSULATION RESISTANCE: 100 MEGAOHMS MIN.(UNMATED)
    10 MEGAOHMS MIN.(MATED)
4.SALT SPAY 48HR PASS.
5.MECHENICAL PERFORMANCE:
  5-1 MATING FOURCE: 4.5KGF MAX.
  5-2 UNMATING FORCE: 1~4KGF.



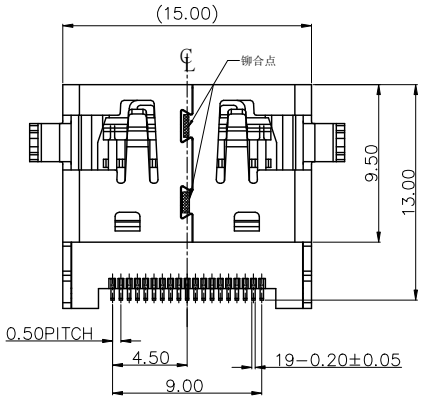


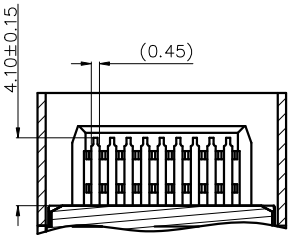


SECTION D-D
SCALE 1:1

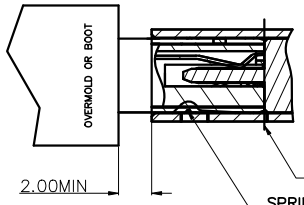


RECOMMENDED PCB LAYOUT
PCB THICKNESS 1.60mm
TORLERANCE=±0.05





SECTION B-B
SCALE 1:1



FULLY MATED
RECEPTACLE AND PLUG

SPRING PROPERTY
FOR LOCKING

RoHS2+HF	30u"	16-A4540-6A03-0
	15u"	16-A4540-5A03-0
	10u"	16-A4540-3A03-0
	5u"	16-A4540-2A03-0
	G/F	16-A4540-1A03-0
GP TYPE	MIN. GOLD THICKNESS	PART NUMBER

REV.	DESCRIPTION	ECN NO.	DWN.	CHK.	APVD.	DATE
A	FIRST RELEASED	--	Weihao	Jimmy 2021.10.14 11:34:36 +08'00'	Kevin Liu 2021.10.14 11:47:48 +08'00'	10-06'21

TOLERANCES UNLESS OTHERWISE SPECIFIED
X. ±0.50
X.X ±0.30
X.XX ±0.20
X.XXX ±0.15
ANGEL ±3°
MATERIAL: SEE NOTE
FINISH: SEE NOTE

TITLE: HDMI A 2.1 TYPE,19PIN H=5.55mm
CH=1.525mm.REC.STD.SMT.TYPE
UNIT: mm
ORIGINAL DATA: 10-06'21
DWN.: Weihao
CHK.: Jimmy
APVD.: Kevin
T-CONN PRECISION
PART NO.: SEE TABLE
SCALE: 1:1
SIZE: A3
REV.: A
DWG. NO.: C-16-A454X
SHEET: 1 OF 2

C-Drawing(Ass'y)
A3 Horizontal Type

RP0410A2

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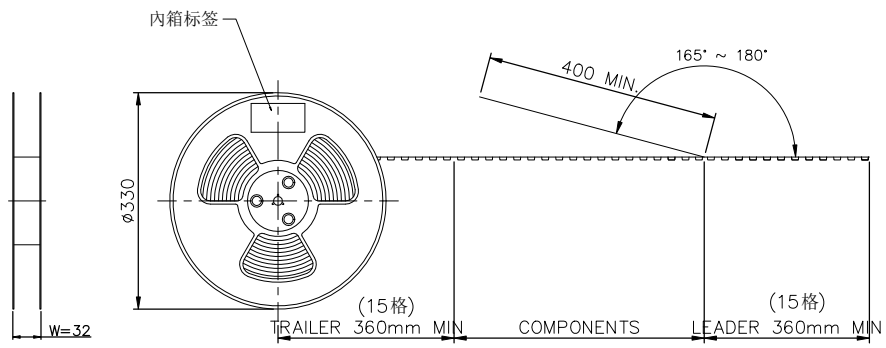

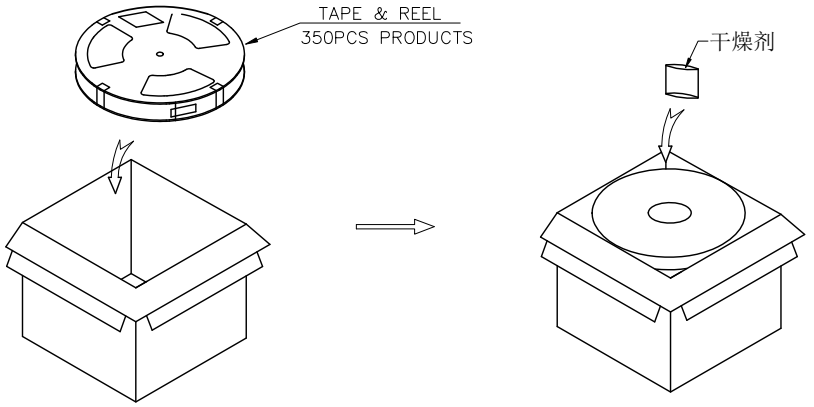

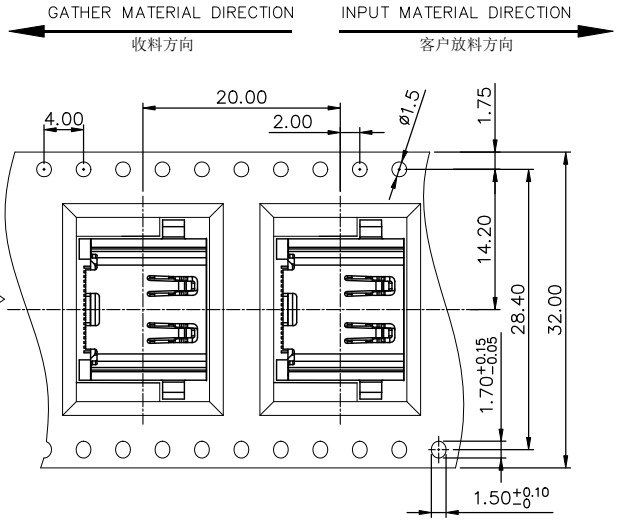

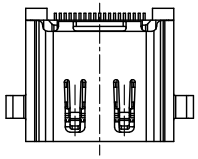

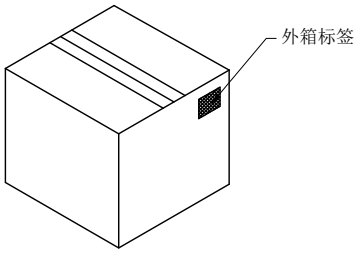

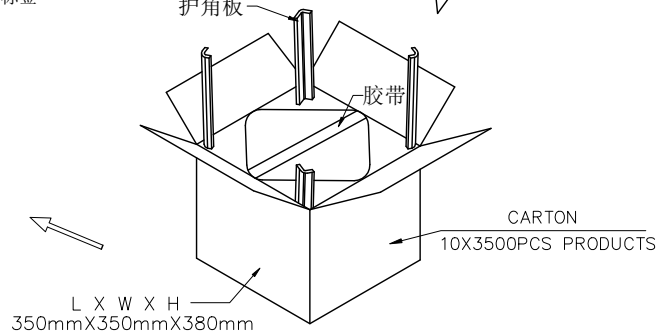

NOTE:
1. MATERIAL:
   BOX: FIBREBOARD, CORRUGATED, DOUBLE WALL.
   TAPE: POLYSTYRENES, H WHITE COLOR.
   REEL: POLYSTYRENES, BLUE COLOR.
   BAG: POLYETHYLENE.
2. PEELING STRENGTH: 0.1 ~ 1.5 N (10 ~ 150 GRAMS)
3. PEELING SPEED: 300 mm/min.
4. EACH BAG SHALL BE INCLUDED DESICCANT.

350	10	3500	--KG	--KG
PCS/TAPE	REELS/BOX	QUANTITY	GROSS WEIGHT	NET WEIGHT

REV.	DESCRIPTION	ECN NO.	DWN.	CHK.	APVD.	DATE
A	FIRST RELEASED	--	Weihao	Jimmy 2021.10.1 11:34:46 +08'00'	Kevin Liu 2021.10.1 11:47:50 +08'00'	10-06'21

TOLERANCES UNLESS OTHERWISE SPECIFIED
X. ±0.50
X.X ±0.30
X.XXX ±0.20
X.XXX ±0.15
ANGEL ±3°
MATERIAL: SEE NOTE
FINISH: SEE NOTE

TITLE: HDMI A 2.1 TYPE,19PIN H=5.55mm CH=1.525mm.REC.STD.SMT.TYPE
UNIT: mm
ORIGINAL DATA: 10-06'21
DWN.: Weihao
CHK.: Jimmy
APVD.: Kevin
T-CONN PRECISION
PART NO.: SEE TABLE
SCALE: 1:1
SIZE: A3
REV.: A
DWG. NO.: C-16-A454X
SHEET: 2 OF 2

C-Drawing(Ass'y) A3 Horizontal Type
RP0410A2