

REV.	ECN NO.	DESCRIPTION	DATE	DESIGN
A	--	INITIAL RELEASED	2018.8.2	HL.W

NOTE:

1.MATERIAL SPECIFICATION:

- 1-1.MOLDING:HIGH TEMPERATURE RESISTANT PLASTIC,UL94 V-0.
SPECIFIC SPECIFICATION SEE TABLE 1
- 1-2.COVER:HIGH TEMPERATURE RESISTANT PLASTIC,UL94 V-0.
- 1-3.MIDDLE HSG:HIGH TEMPERATURE RESISTANT PLASTIC,UL94 V-0.
- 1-4.USB3.1 CONTACTS: BRASS.
- 1-5.USB2.0 CONTACTS: PHOSPHORIZED COPPER.
- 1-6.FRONT SHELL: STAINLESS STEEL.
- 1-7.BACK SHELL: COLD-ROLLED CARBON STEEL.
- 1-8.IRON SHELL: STAINLESS STEEL.

2.PLATING SPECIFICATION:

- 2-1.USB3.1&USB2.0 CONTACTS:
Ni 50u" MIN. UNDER PLATED OVER ALL.
Au PLATED ON THE FUNCTIONAL AREA OF CONTACT.
(GOLD PLATING THICKNESS FOLLOW THE P/N)
100u" MIN MATTE TIN PLATED ON SOLDER AREA.
- 2-2.FRONT SHELL:
50u" MIN TIN PLATED ON SOLDER AREA.
- 2-3.BACK SHELL:
Ni 50u" MIN. UNDER PLATED OVER ALL.
- 2-4.IRON SHELL:
CLEARING ONLY

3.MECHANICAL PERFORMANCE,

- 3-1.INSERTION FORCE: 3.5kgf MAX
- 3-2.REMOVAL FORCE: 1.0kgf MIN INITIAL,0.8kgf MIN AFTER
- 3-3.DURABILITY: 5000 CYCLES.

4.ELECTRICAL PERFORMANCE,

- 4-1.INSULATION RESISTANCE: 100MΩ MIN
- 4-2.DIELECTRIC WITHSTAND VOLTAGE,AC 100V FOR 1 MINUTE.
- 4-3.CONTACT CURRENT RATING:2A FOR VBUS AND GND PIN;
OTHER PINS:0.25A/PIN;
- 4-4.CONTACT RESISTANCE: INITIAL 30mOHMS FOR VBUS AND GND PIN;
INITIAL 50mOHMS FOR OTHER PIN;
AFTER DURABILITY 10mOHMS MAX CHANGE;

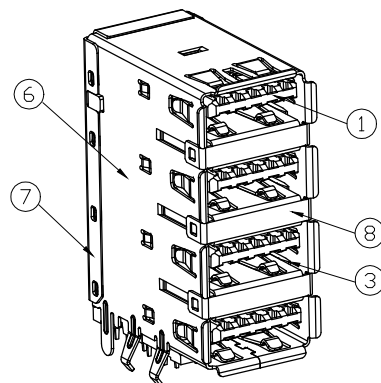
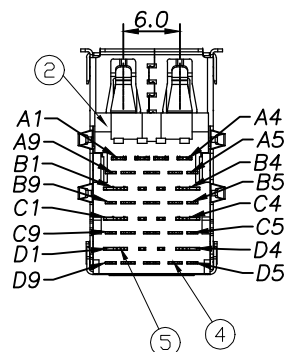
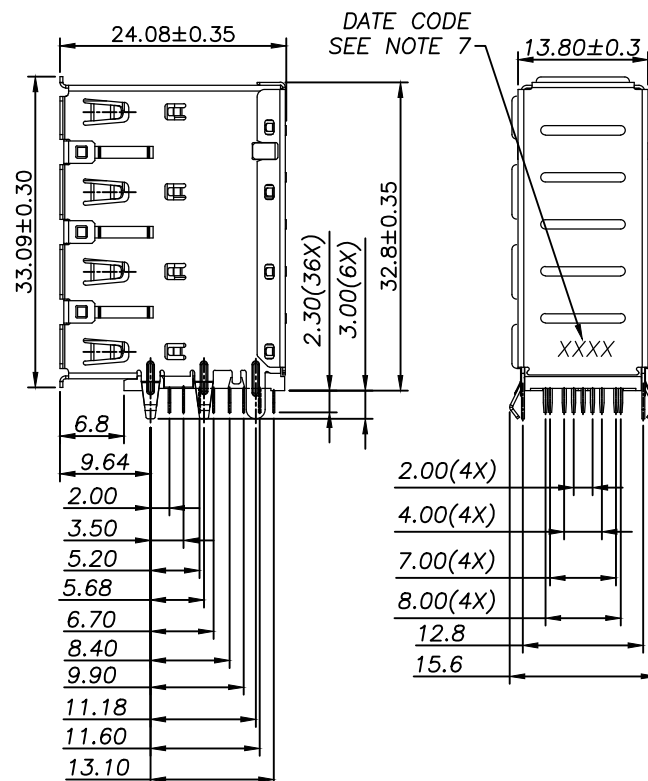
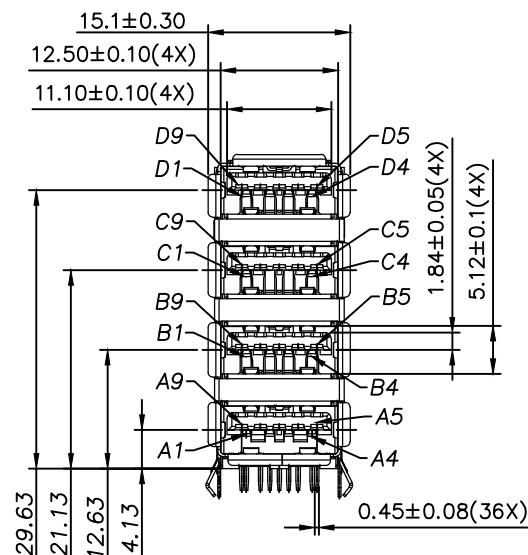
5.HF COMPLIANT.

6.WAVE SOLDER:

THE PEAK TEMPERATURE ON THE BOARD SHALL
BE MAINTAINED FOR 10 SECONDS AT 280°C

7.DATE CODE: XX XX

WEEK
YEAR

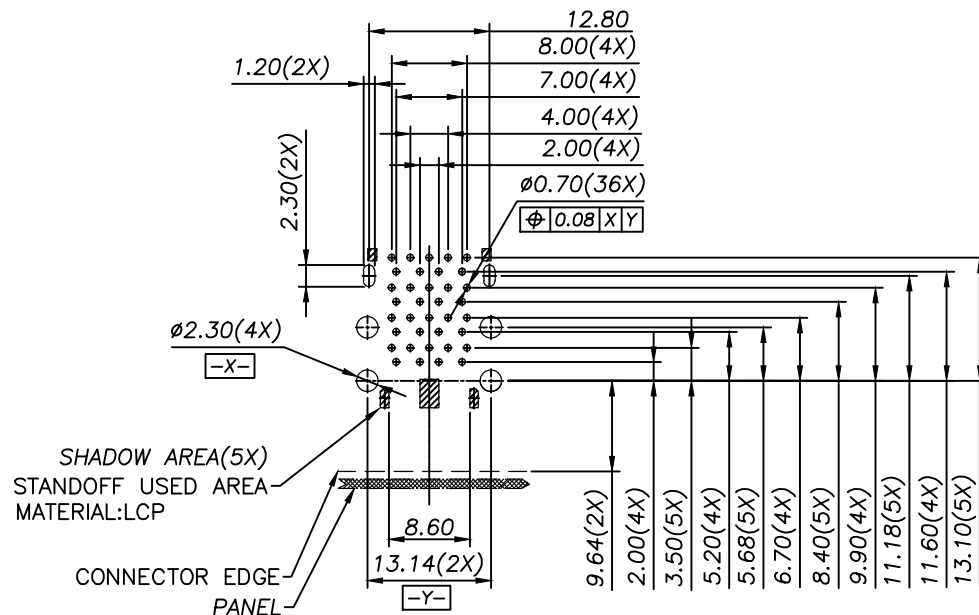


DIM	TOL	DIM	DEG
X	±0.50	X°	±8°
X.X	±0.35	X.X°	±5°
X.XX	±0.25	X.XX°	±3°
X.XXX	±0.15	X.XXX°	±2°
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CHECK:			
APPROVED			

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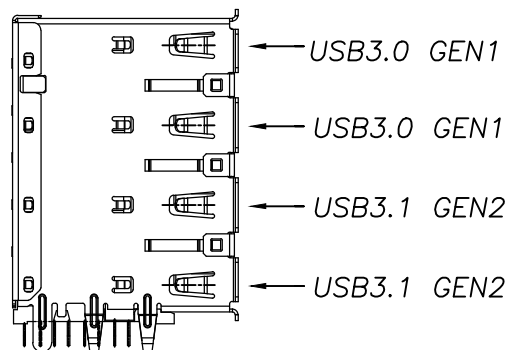
FILE:	DRAW NAME:
DRAW NO.	2 PORTS USB3.0 GEN 1+2 PORTS USB3.1 GEN2 A FEMALE R/A TYPE
P/N: 12HU-3ADB-88CT	
UNIT: mm	SCALE: 1:1
REV: 01	SHEET: 1/3
MODEL:	

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PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	DESCRIPTION
A1&B1&C1&D1	VBUS	POWER
A2&B2&C2&D2	D-	USB 2.0 DIFFERENTIAL PAIR
A3&B3&C3&D3	D+	
A4&B4&C4&D4	GND	GROUND FOR POWER RETURN
A5&B5&C5&D5	StdA-SSR-	SUPER-SPEED RECEIVER DIFFERENTIAL PAIR
A6&B6&C6&D6	StdA-SSR+	
A7&B7&C7&D7	GND-DRAIN	GROUND FOR SIGNAL RETURN
A8&B8&C8&D8	StdA-SST-	SUPER-SPEED TRANSMITTER DIFFERENTIAL PAIR
A9&B9&C9&D9	StdA-SST+	
SHELL	SHIELD	CONNECTOR METAL SHELL

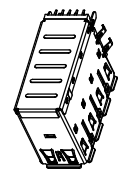


8	IRON SHELL	3	STAINLESS STEEL	CLEAN
7	BACK SHELL	1	SPCC	50u" MIN NI UNDER PLATED OVER ALL.
6	FRONT SHELL	1	STAINLESS STEEL	50u" MIN TIN PLATED ON SOLDER AREA.
5	USB2.0 CONTACTS	16	PHOSPHORIZED COPPER.	Au30u" PLATED ON THE FUNCTIONAL AREA OF CONTACT. Ni 50u" MIN. UNDER PLATED OVER ALL. 100u" MIN MATTE TIN PLATED ON SOLDER AREA.
4	USB3.1 CONTACTS	20	BRASS	
3	MIDDLE HOUSING	3	LCP	COLOR:BLACK/HALOGERN FREE
2	COVER	1	LCP	COLOR:BLACK/HALOGERN FREE
1	MOLDING HOUSING	4	LCP	COLOR:BLACK/HALOGERN FREE
NO.	DESCRIPTION	QTY.	MATERIAL	TREATMENT

DIM	TOL	DIM	DEG
X	± 0.50	X°	$\pm 8^\circ$
X.X	± 0.35	X.X°	$\pm 5^\circ$
X.XX	± 0.25	X.XX°	$\pm 3^\circ$
X.XXX	± 0.15	X.XXX°	$\pm 2^\circ$
DESIGN:	HL.W	2018.8.2	
CHECK:			
APPROVED			

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FILE:		DRAW NAME:	
DRAW NO.		2 PORTS USB3.0 GEN 1+2 PORTS USB3.1 GEN2 A FEMALE R/A TYPE	
P/N: 12HU-3ADB-88CT		MODEL:	
UNIT: mm	SCALE: 1:1		
REV: 01	SHEET: 2/3		

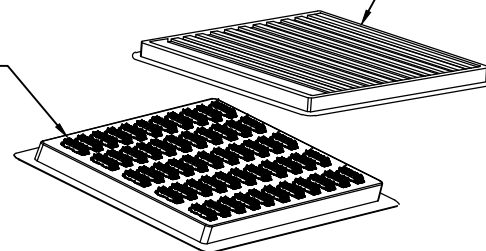
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PRODUCT

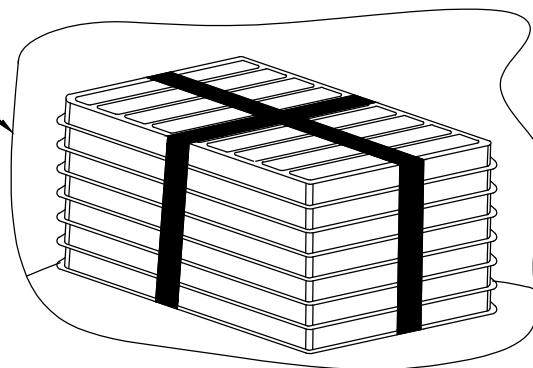
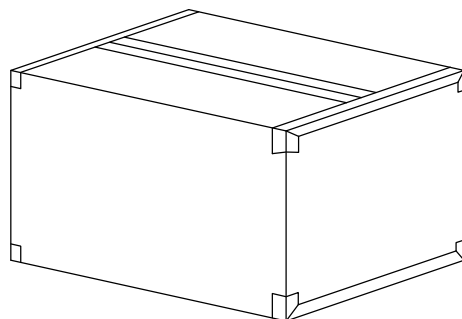
TRAY

UPPER COVER

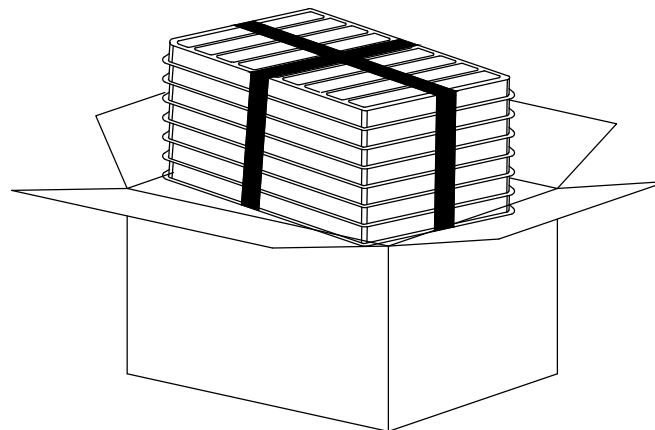


THE NUMBER OF PACKAGING: 60 PCS/TRAY

PE BAG

EVERY 10 LAYERS AS A BUNDLE
TOTAL:600PCS

COMPLETE PACKING



10 LAYERS TRAY INTO CARTON

THE NUMBER OF PACKAGING

	TRAY	CARTON
PRODUCTS(PCS)	60	600

DIM	TOL	DIM	DEG
X	±0.50	X°	±8°
X.X	±0.35	X.X°	±5°
X.XX	±0.25	X.XX°	±3°
X.XXX	±0.15	X.XXX°	±2°
DESIGN:	HL.W	2018.8.2	
CHECK:			
APPROVED			

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FILE:	DRAW NAME:
DRAW NO.	2 PORTS USB3.0 GEN 1+2 PORTS USB3.1 GEN2 A FEMALE R/A TYPE
P/N: 12HU-3ADB-88CT	MODEL:
UNIT: mm	SCALE: 1:1
REV: 01	SHEET: 3/3