

1 2 3 4 5 6 7 8

HALOGEN FREE

D/C AREA

(12.00)

Ø4.50 AVAILABLE VACUUM PICK UP AREA

(5.53)

14.70±0.25

(12.23)

ACON E-A7

15.00±0.25

14.00±0.05[X]

10.80

9.00

PIN1

PIN19

1.30±0.25(X2)

SHELL

2.085±0.200(CH)

4.55±0.05[X]

0.50T

0.50

PIN2

PIN18

17.50±0.20

6.75±0.25

5.55±0.25

2.00(X2)

7.55±0.20(X2)

11.75±0.20(X2)

1.20(X2)

1.35±0.20

2.15±0.20

1.89±0.20

2.085±0.200(CH)

1.30±0.25(X2)

SHELL

1.30±0.25(X19)

CONTACT

HFC E-A7 A

0.50±0.15(X2)

1.00±0.15(X2)

4.00±0.15(X2)

4.50±0.15(X2)

0.30(X2)

0.20T

1.55±0.20

14.50±0.20

REV.	EC#	DESCRIPTION	DATE	DRAWN	CHECKED	APPROVED
A	KSECR20138-01	NEW RELEASE PER NPR20058	11/23/20'	TONG	MICKEY	MICKEY

ITEM	NAME	Q'TY	PART #	MATERIAL / FINISH
3	CONTACT	19	XXX	COPPER ALLOY/ Au PLATED
2	INSERT MOLDING	1	XXX	THERMOPLASTIC UL94 V-0 BLACK
1	SHELL	1	XXX	METAL/SOLDER Ni

ITEM	NAME	Q'TY	PART #	MATERIAL / FINISH
3	CONTACT	19	XXX	COPPER ALLOY/ Au PLATED
2	INSERT MOLDING	1	XXX	THERMOPLASTIC UL94 V-0 BLACK
1	SHELL	1	XXX	METAL/SOLDER Ni

ITEM	NAME	Q'TY	PART #	MATERIAL / FINISH
3	CONTACT	19	XXX	COPPER ALLOY/ Au PLATED
2	INSERT MOLDING	1	XXX	THERMOPLASTIC UL94 V-0 BLACK
1	SHELL	1	XXX	METAL/SOLDER Ni

ITEM	NAME	Q'TY	PART #	MATERIAL / FINISH
3	CONTACT	19	XXX	COPPER ALLOY/ Au PLATED
2	INSERT MOLDING	1	XXX	THERMOPLASTIC UL94 V-0 BLACK
1	SHELL	1	XXX	METAL/SOLDER Ni

ITEM	NAME	Q'TY	PART #	MATERIAL / FINISH
3	CONTACT	19	XXX	COPPER ALLOY/ Au PLATED
2	INSERT MOLDING	1	XXX	THERMOPLASTIC UL94 V-0 BLACK
1	SHELL	1	XXX	METAL/SOLDER Ni

ITEM	NAME	Q'TY	PART #	MATERIAL / FINISH
3	CONTACT	19	XXX	COPPER ALLOY/ Au PLATED
2	INSERT MOLDING	1	XXX	THERMOPLASTIC UL94 V-0 BLACK
1	SHELL	1	XXX	METAL/SOLDER Ni

ITEM	NAME	Q'TY	PART #	MATERIAL / FINISH
3	CONTACT	19	XXX	COPPER ALLOY/ Au PLATED
2	INSERT MOLDING	1	XXX	THERMOPLASTIC UL94 V-0 BLACK
1	SHELL	1	XXX	METAL/SOLDER Ni

ITEM	NAME	Q'TY	PART #	MATERIAL / FINISH
3	CONTACT	19	XXX	COPPER ALLOY/ Au PLATED
2	INSERT MOLDING	1	XXX	THERMOPLASTIC UL94 V-0 BLACK
1	SHELL	1	XXX	METAL/SOLDER Ni

ITEM	NAME	Q'TY	PART #	MATERIAL / FINISH
3	CONTACT	19	XXX	COPPER ALLOY/ Au PLATED
2	INSERT MOLDING	1	XXX	THERMOPLASTIC UL94 V-0 BLACK
1	SHELL	1	XXX	METAL/SOLDER Ni

ITEM	NAME	Q'TY	PART #	MATERIAL / FINISH
3	CONTACT	19	XXX	COPPER ALLOY/ Au PLATED
2	INSERT MOLDING	1	XXX	THERMOPLASTIC UL94 V-0 BLACK
1	SHELL	1	XXX	METAL/SOLDER Ni

ITEM	NAME	Q'TY	PART #	MATERIAL / FINISH
3	CONTACT	19	XXX	COPPER ALLOY/ Au PLATED
2	INSERT MOLDING	1	XXX	THERMOPLASTIC UL94 V-0 BLACK
1	SHELL	1	XXX	METAL/SOLDER Ni

ITEM	NAME	Q'TY	PART #	MATERIAL / FINISH
3	CONTACT	19	XXX	COPPER ALLOY/ Au PLATED
2	INSERT MOLDING	1	XXX	THERMOPLASTIC UL94 V-0 BLACK
1	SHELL	1	XXX	METAL/SOLDER Ni

ITEM	NAME	Q'TY	PART #	MATERIAL / FINISH
3	CONTACT	19	XXX	COPPER ALLOY/ Au PLATED
2	INSERT MOLDING	1	XXX	THERMOPLASTIC UL94 V-0 BLACK
1	SHELL	1	XXX	METAL/SOLDER Ni

ITEM	NAME	Q'TY	PART #	MATERIAL / FINISH
3	CONTACT	19	XXX	COPPER ALLOY/ Au PLATED
2	INSERT MOLDING	1	XXX	THERMOPLASTIC UL94 V-0 BLACK
1	SHELL	1	XXX	METAL/SOLDER Ni

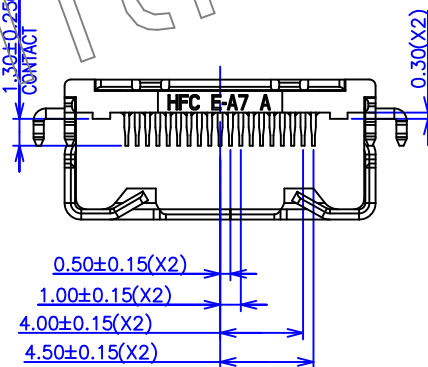
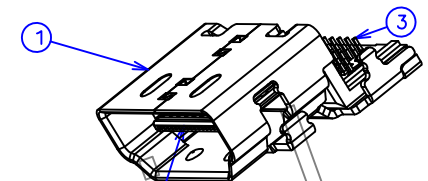
ITEM	NAME	Q'TY	PART #	MATERIAL / FINISH
3	CONTACT	19	XXX	COPPER ALLOY/ Au PLATED
2	INSERT MOLDING	1	XXX	THERMOPLASTIC UL94 V-0 BLACK
1	SHELL	1	XXX	METAL/SOLDER Ni

ITEM	NAME	Q'TY	PART #	MATERIAL / FINISH
3	CONTACT	19	XXX	COPPER ALLOY/ Au PLATED
2	INSERT MOLDING	1	XXX	THERMOPLASTIC UL94 V-0 BLACK
1	SHELL	1	XXX	METAL/SOLDER Ni

ITEM	NAME	Q'TY	PART #	MATERIAL / FINISH
3	CONTACT	19	XXX	COPPER ALLOY/ Au PLATED
2	INSERT MOLDING	1	XXX	THERMOPLASTIC UL94 V-0 BLACK
1	SHELL	1	XXX	METAL/SOLDER Ni

ITEM	NAME	Q'TY	PART #	MATERIAL / FINISH
3	CONTACT	19	XXX	COPPER ALLOY/ Au PLATED
2</				

REV.	EC#	DESCRIPTION	DATE	DRAWN	CHECKED	APPROVED
A	KSECR20138-01	NEW RELEASE PER NPR20058	11/23/20'	TONG	MICKEY	MICKEY

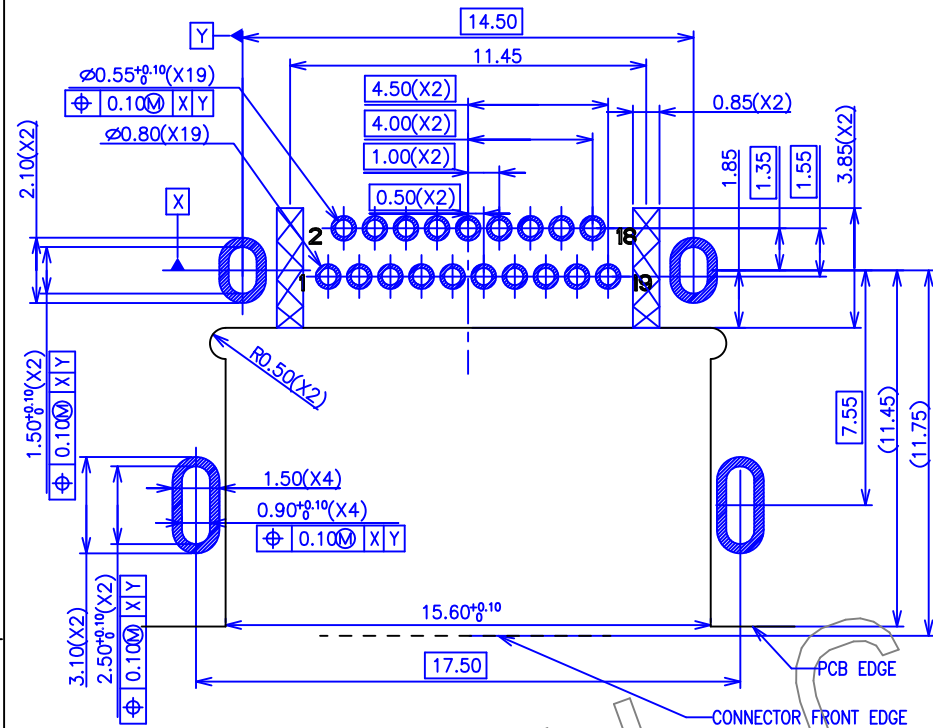


3	CONTACT	19	XXX	COPPER ALLOY/ Au PLATED
2	INSERT MOLDING	1	XXX	THERMOPLASTIC UL94 V-0 BLACK
1	SHELL	1	XXX	METAL/SOLDER Ni
ITEM	NAME	Q'TY	PART #	MATERIAL / FINISH
TOLERANCES UNLESS OTHERWISE SPECIFIED GENERAL: .X .X ±0.38 .X ±0.25 .XX ±0.13 .XXX ±0.05 ANGLES: .X' ±3.0' .X" ±2.0' .XXC ±1.0'		DRAWN DATE Ann 07/14/20' DESIGN DATE Tong 07/14/20' CHECKED DATE MICKEY 11/23/20' APPROVED DATE MICKEY 11/23/20'		 ADVANCED — CONNECTEK INC. TITLE HDMI 2.1 19POS REVERSE RECP. DIP TYPE W/O FLANGE SERIES HERATZ SERIES C-HERATZ-00-00
SCALE	5:1			
SHEET	1 of 2			
UNIT	mm			
 CUSTOMER DRAWING		DWG NO.		SIZE A2 REV. A

This document and information contained herein are the property of Advanced Connectek Inc., copies are issued in strict confidence and shall not be reproduced or copied, or used as the basis of manufacture or sale of apparatus without permission

All materials meet the ACON's spec. environment-related substances management technical standard

HALOGEN FREE



RECOMMENDED PCB THICKNESS: 1.00±0.05mm
COMPONENT SIDE(TOL±0.05)

: VIA AND TRACE KEEPOUT AREA

NOTES:

- 1.0. ELECTRICAL CHARACTERISTIC:
 - 1.1. LOW LEVEL CONTACT RESISTANCE: 10 mΩ MAXIMUM.
 - 1.2. DIELECTRIC WITHSTANDING VOLTAGE:
500 VAC BETWEEN ADJACENT TERMINAL OR GROUND, No Breakdown(Unmated).
300 VAC BETWEEN ADJACENT TERMINAL OR GROUND, No Breakdown(Mated).
 - 1.3. INSULATION RESISTANCE: 100M Ω MINIMUM(Unmated).
10M Ω MINIMUM(Mated).
- 2.0. MECHANICAL CHARACTERISTIC:
 - 2.1. INSERTION FORCE: 44.1N(4.5kgf) MAXIMUM.
 - 2.2. EXTRACTION FORCE: 9.8N(1.0kgf)~39.2N(4.0kgf).
 - 2.3. BUMP STRUCTURE AFTER DURABILITY USE NEW PLUG TEST

PRODUCT NUMBER TABLE A:

HERA7 - A K X X 0 C						
1	2	3	4	5	6	7

1. PRODUCT

HERA7: HDMI 2.1 19POS REV. RECEPT.
R/A DIP TYPE W/O FLANGE

2.POSITION:

A: 19 POSITIONS

3.COLOUR OF HOUSING

K: BLACK

4.CONTACT PLATING

1: CONTACT AREA: Flash Au
SOLDER AREA: MATTE TIN
UNDERPLATED NICKEL
5: CONTACT AREA: 30uAu
SOLDER AREA: MATTE TIN
UNDERPLATED NICKEL

5.SHELL PLATING

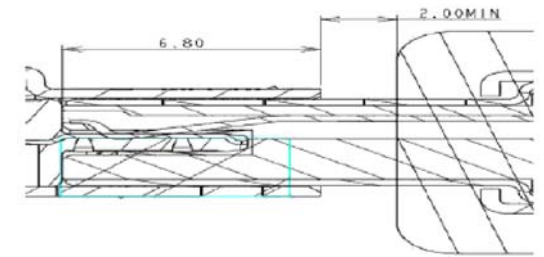
2: SOLDERABLE NICKEL

6.POST

0: NO POST

7.LOGO

C: ACON LOGO, REEL PACKAGE



PIN NO	SIGNAL NAME
1	Data2+
2	Data2 Shield
3	Data2-
4	Data1+
5	Data1 Shield
6	Data1-
7	Data0+
8	Data0 Shield
9	Data0-
10	Data3+
11	Data3 Shield
12	Data3-
13	CEC
14	Utility
15	SCL
16	SDA
17	DDC/CEC Ground
18	+5V Power
19	HOT Plug Detect

TOLERANCES UNLESS OTHERWISE SPECIFIED		DRAWN	DATE
GENERAL	X . . . ±0.38	Ann	07/14/20'
	.X . . . ±0.25	DESIGN	DATE
	.XX . . . ±0.13	Tong	07/14/20'
	.XXX . . . ±0.05	CHECKED	DATE
ANGLES	X' . . . ±3.0'	MICKEY	11/23/20'
	X" . . . ±2.0'	APPROVED	DATE
	.XX' . . . ±1.0'	MICKEY	11/23/20'
SCALE	5:1	TITLE	
SHEET	2 OF 2	HDMI 2.1 19POS REVERSE RECEPT. DIP TYPE W/O FLANGE	
UNIT	mm	SERIES	HERA7 SERIES
		DWG NO.	C-HERA7-00-00
		SIZE	A3
		REV.	A