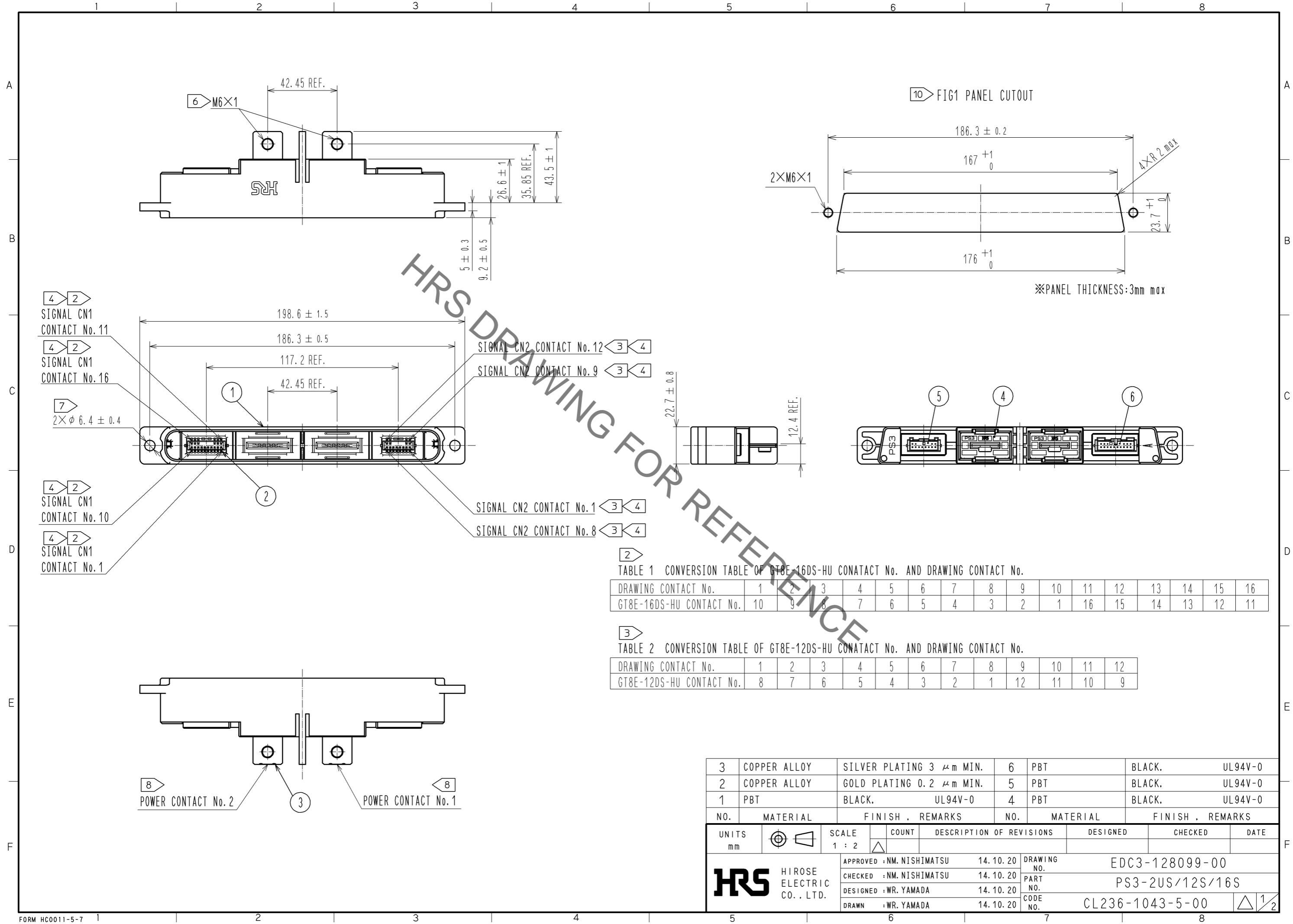


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HRS DRAWING FOR REFERENCE

2

TABLE 1 CONVERSION TABLE OF GT8E-16DS-HU CONTACT No. AND DRAWING CONTACT No.

DRAWING CONTACT No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
GT8E-16DS-HU CONTACT No.	10	9	8	7	6	5	4	3	2	1	16	15	14	13	12	11

3

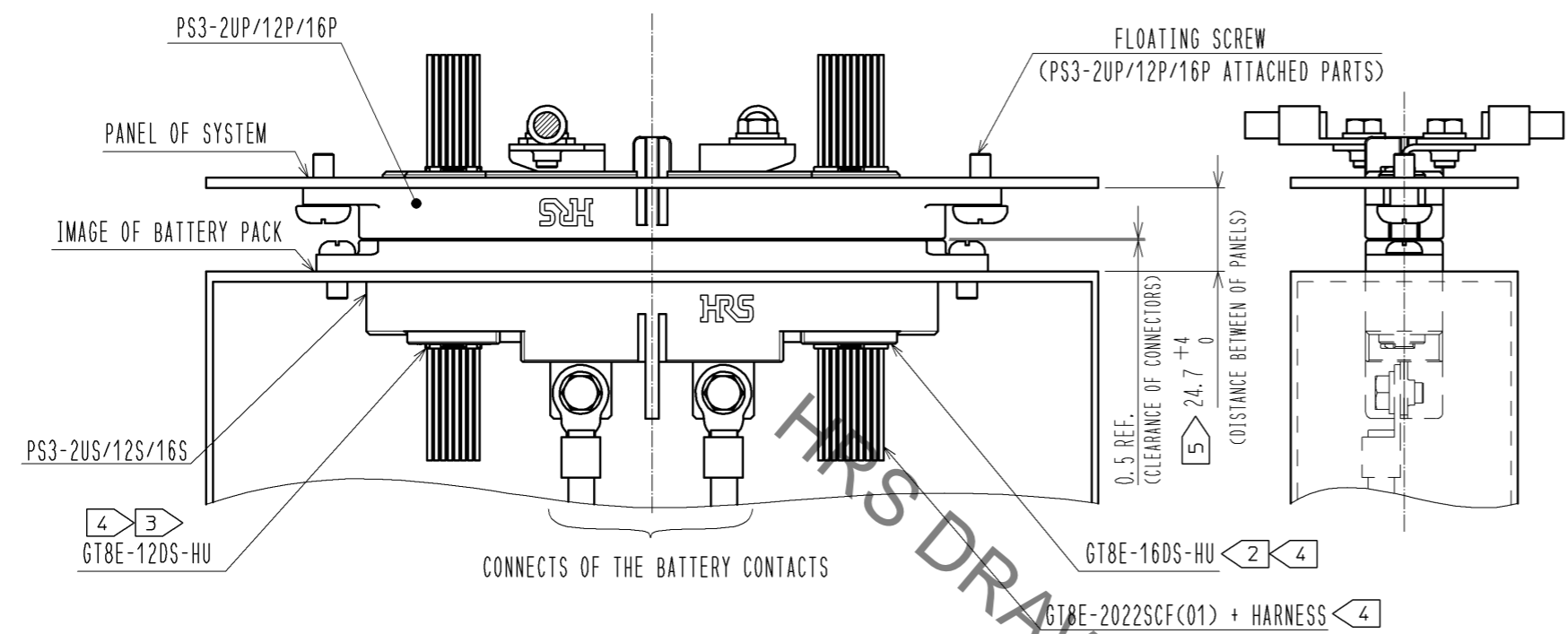
TABLE 2 CONVERSION TABLE OF GT8E-12DS-HU CONTACT No. AND DRAWING CONTACT No.

DRAWING CONTACT No.	1	2	3	4	5	6	7	8	9	10	11	12
GT8E-12DS-HU CONTACT No.	8	7	6	5	4	3	2	1	12	11	10	9

3	COPPER ALLOY	SILVER PLATING 3 μm MIN.	6	PBT	BLACK.	UL94V-0		
2	COPPER ALLOY	GOLD PLATING 0.2 μm MIN.	5	PBT	BLACK.	UL94V-0		
1	PBT	BLACK.	UL94V-0	4	PBT	BLACK.	UL94V-0	
NO.	MATERIAL	FINISH .	REMARKS	NO.	MATERIAL	FINISH .	REMARKS	
UNITS mm		SCALE 1 : 2	COUNT 	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE
<b>HRS</b> HIROSE ELECTRIC CO., LTD.				APPROVED : NM. NISHIMATSU	14.10.20	DRAWING NO. EDC3-128099-00		
				CHECKED : NM. NISHIMATSU	14.10.20	PART NO. PS3-2US/12S/16S		
				DESIGNED : WR. YAMADA	14.10.20	CODE NO. CL236-1043-5-00		
				DRAWN : WR. YAMADA	14.10.20			

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FIGURE OF MOUNTING STATE



- NOTE
1. THE MATING PARTNER OF THIS PRODUCT IS PS3-2UP/12P/16P(CL236-1044-8-00).
  2. DRAWING CONTACT No. ARE CORRESPONDING TO CONTACT No. OF PS3-2UP/12P/16P. CONTACT No. OF GT8E ARE DIFFERENT FROM DRAWING CONTACT No. (REFER NOTES No. 4) CONTACT No. OF GT8E REFERS TO TABLE 1.
  3. DRAWING CONTACT No. ARE CORRESPONDING TO CONTACT No. OF PS3-2UP/12P/16P. CONTACT No. OF GT8E ARE DIFFERENT FROM DRAWING CONTACT No. (REFER NOTES No. 4) CONTACT No. OF GT8E REFERS TO TABLE 2.
  4. PLEASE USE THE GT8E BELLOW TO SIGNAL CH OF THIS PRODUCT.
 

SIGNAL CN1	GT8E-16DS-HU
SIGNAL CN2	GT8E-12DS-HU

PLEASE PULL GT8E OUT BY HOLDING DOWN THE LOCK PORTION WHEN EXTRACTION GT8E. PLEASE USE GT8E-2022SCF(01) (GOLD PLATING) CRIMP TERMINAL OF GT8E.
  5. PLEASE SET THE DISTANCE BETWEEN PANELS AS 24.7 TO 28.7 mm.
  6. THE TIGHTNING TORQUE FOR THE SCREW ATTACHED WITH REF NO. ② IS 2.5 TO 5.2 N · m. THE RECOMMENDED SCREW AND CRIMP TERMINAL IS AS FOLLOWS.
    - RECOMMENDED SCREW : JIS B 1188 SPRING WASHER + CROSS RECESSED PAN HEAD SCREW WITH CAPTIVE POLISHED CIRCULAR WASHER M6 × 12
    - RECOMMENDED CRIMP TERMINAL
    - CABLE 14sq : JIS C 2805 R14-6
    - CABLE 22sq : JIS C 2805 R22-6
    - CABLE 38sq : MANUFACTURED BY NICHIFU CO.,LTD R38-6S
    - CABLE 50sq : MANUFACTURED BY NICHIFU CO.,LTD R60-6S
  7. THE SCREW USED TO ATTACH THE PANEL IS M6. THE TIGHTNING TORQUE FOR SCREW IS 2.5 TO 5.2 N · m.
  8. SINCE THE POWER CONTACTS ARE SILVER PLATED. THEY MAY REACT WITH SULFIDE IN THE ATMOSPHER TO CHANGE THE COLOUR TO BLACKISH BROWN.
  9. THE SALES UNIT OF THIS PRODUCT IS THE CARTON (40 PIECES)
  10. PLEASE SEE THE FIGURE 1 FOR THE RECOMMENDED PANEL DIMENSION.
  11. THIS ITEM IS PLANNING TO BE APPROVED BY SAFETY STANDARD(CUL, C-UL, TUV STANDARD) UNDER THE CONDITION OF TABLE 3 AND TABLE 4 SAFETY STANDARD IS DEFERRENT UP TO THE APPLIED RATED VOLTAGE AND CURRENT PLEASE SEE THE TABLE 3 AND TABLE 4.
  12. THE POWER CONTACT OF THIES PRODUCT IS NOT APPLICABLE FOR HOT-SWAP. IT CAN NOT BE USED TO INTERRUPT THE POWER.

⑪ CONDITION OF SAFETY STANDARD(CUL, C-UL, TUV STANDARD)

⑪ TABLE 3. UL, C-UL CONDITION

	CONDITION 1	CONDITION 2
CURRENT VOLTAGE(AC/DC)	600V	
CURRENT RATING	100A	150A
CABLE	14 TO 22sq(※1)	38 TO 50sq(※1)
CREEPAGE DISTANCE(※2)	MIN:3.2mm	
CLEARANCE DISTANCE(※2)	MIN:3.2mm	

⑪ TABLE 4. TUV CONDITON

	CONDITION I	CONDITION II	CONDITION III
CURRENT VOLTAGE(AC/DC)	800V	600V	1000V
CURRENT RATING	100A(CABLE 14 TO 22sq ※1)	125A(CABLE 38sq ※1)	150A(CABLE 50sq ※1)
OVER VOLTAGE CATEGORY	II	III	
POLLUTION DEGREE	3		
CREEPAGE DISTANCE(※2)	MIN:12.6mm	MIN:12.6mm	MIN:16mm
CLEARANCE DISTANCE(※2)	MIN:6mm	MIN:6mm	MIN:8mm
INSULATION SYSTEM	BASIC INSULATION(PANEL HAS THE EARTH)		

※1 : AS SCREWS AND CRIMP TERMINAL ATTACHED WITH POWER CONTACT HAVE AN IMPACT ON THE CREEPAGE DISTANCE AND THE CLEARANCE DISTANCE. PLEASE USE RECOMMENDED SCREWS AND CRIMP TERMINALS. IN CASE YOU USE CABLES OTHER THAN FOLLOWING RECOMMENDED SCREWS AND CONTACTS. PLEASE BE CAREFUL THAT THE CREEPAGE DISTANCE AND THE CLEARANCE DISTANCE MEET THE STANDARD OF UL, C-UL, TUV.

※2 : THE COVERAGE OF THE CREEPAGE DISTANCE AND THE CLEARANCE DISTANCE IS AS FOLLOWS.

- BETWEEN CRIMP TERMINALS
- BETWEEN POWER CONTACT AND PANEL
- BETWEEN CRIMP TERMINAL AND PANEL
- BETWEEN SCREWS (ATTACHED WITH POWER CONTACT) AND PANEL

<b>HRS</b>	DRAWING NO.	EDC3-128099-00
	PART NO.	PS3-2US/12S/16S
	CODE NO.	CL236-1043-5-00

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