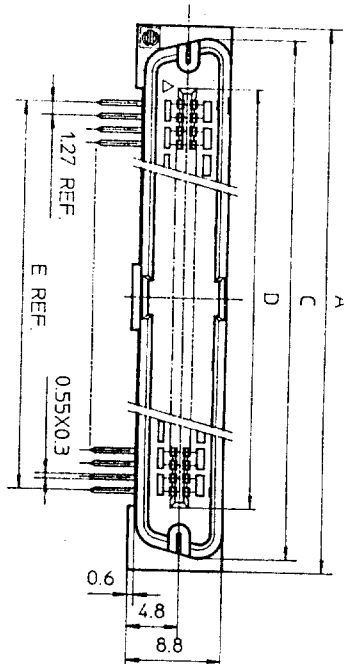
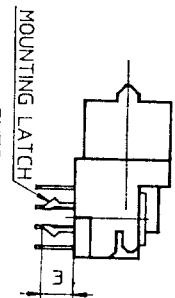
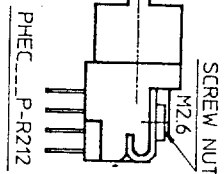
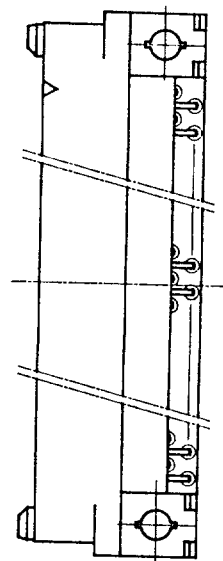
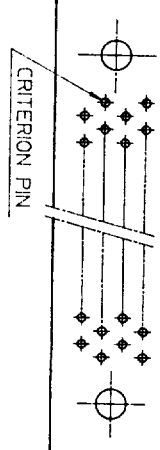
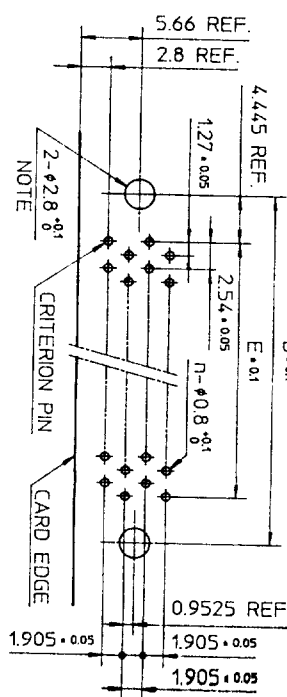




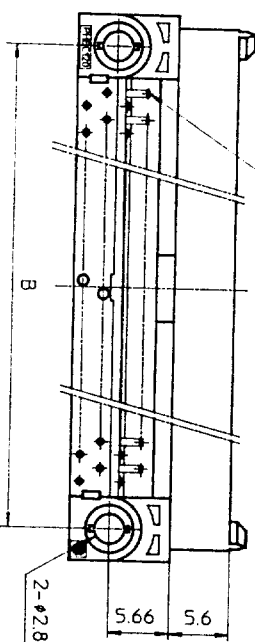
PHEC...P-R210

RECOMMENDED PC BOARD
THICKNESS: 1.6 ±0.2
HOLE PATTERN (COMPONENT SIDE)
NO. OF CONTACTS: 40, 60, 68, 80, 100, 120
n : NO. OF CONTACTS



NOTE
THROUGH-HOLES FOR MOUNTING LATCHES ALSO SHOULD
BE PLATED.

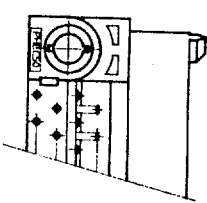
TOLERANCES
UNLESS OTHERWISE SPECIFIED: ±0.3



NO. OF CONTACTS: 40, 60, 68, 80, 100, 120

CRITERION PIN

NO. OF CONTACTS: 30, 34, 50



MATERIAL

BODY

LOCATOR

CONTACT

MOUNTING LATCH

SCREW NUT

NICKEL PLATED

CAT. NO.	NO. OF CONTACTS (MATING SIDE)	DIMENSIONS				
		A	B	C	D	E
PHEC30P-R21	15/ROW X 2 ROWS	32.67	26.67	30.3	20.42	17.78
PHEC34P-R21	17/ROW X 2 ROWS	35.21	29.21	32.84	22.96	20.32
PHEC40P-R21	20/ROW X 2 ROWS	39.02	33.02	36.65	26.77	24.13
PHEC50P-R21	25/ROW X 2 ROWS	45.37	39.37	43	33.12	30.48
PHEC60P-R21	30/ROW X 2 ROWS	51.72	45.72	49.35	39.47	36.83
PHEC68P-R21	34/ROW X 2 ROWS	56.8	50.8	54.43	44.55	41.91
PHEC80P-R21	40/ROW X 2 ROWS	64.42	58.42	62.05	52.17	49.53
PHEC100P-R21	50/ROW X 2 ROWS	77.12	71.12	74.75	64.87	62.23
PHEC120P-R21	60/ROW X 2 ROWS	89.82	83.82	87.45	77.57	74.93

CONTACT PLATING TABLE

(THICKNESS: μm)

CONTACT AREA	REMAINDER
GOLD 0.25 MIN.	SOLDER
OVER NICKEL 32	OVER NICKEL

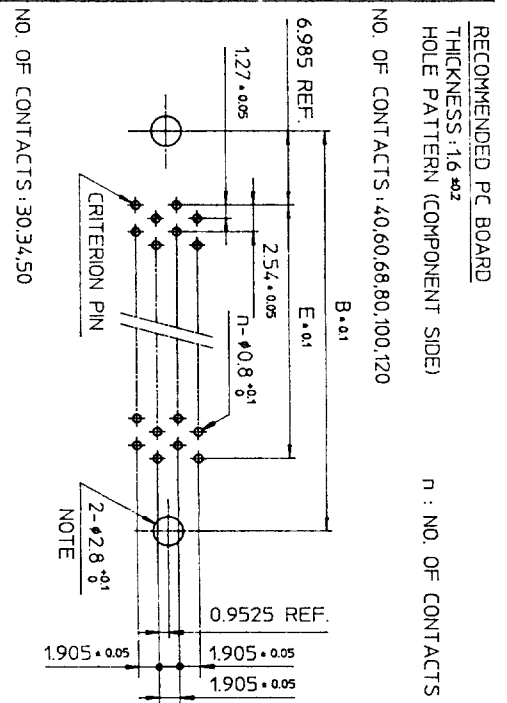
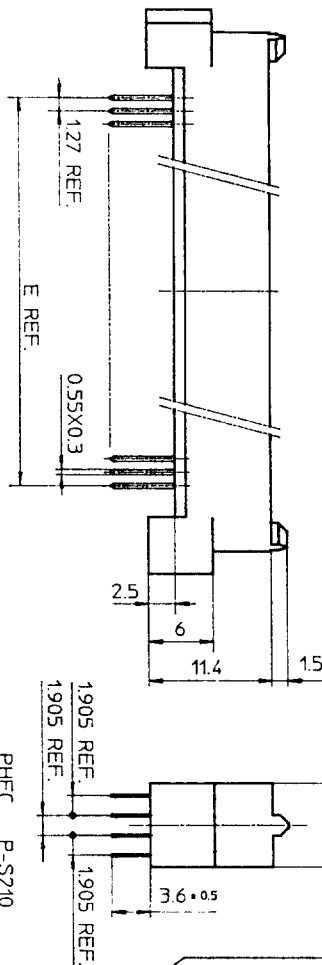
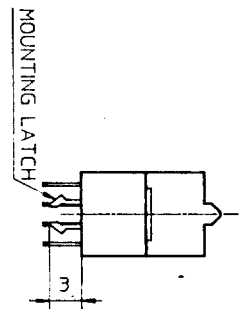
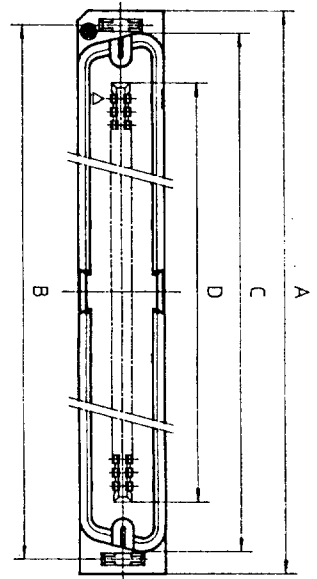
PRINTED CIRCUIT CONNECTOR

CAT. NO.	PHEC...P-R21
DRAWING NO.	JSC 90736
REV	3
BURNDY JAPAN Ltd.	

DESIGNED	M. Oga
DRAWN	4.86
CHECKED	J. Ogata
APPROVED	Mar. 8, 1990
DATE	

SCALE	
DIM. IN	mm
MATERIAL	

REV	DATE	DESCRIPTION	CHKD
1	92-8-14	30,34,50,68 POSITIONS ADDED. LOCATOR MATERIAL ADDED.	
2	90-6-7	EC 7866	
3	90-4-20	EC 7837	



TOLERANCES
UNLESS OTHERWISE SPECIFIED: ±0.3

CAT. NO.	NO. OF CONTACTS (MATING SIDE)	DIMENSIONS				
		A	B	C	D	E
PHEC30P-S21L	15/ROW X 2 ROWS	34.55	31.75	30.3	20.42	17.78
PHEC34P-S21L	17/ROW X 2 ROWS	37.09	34.29	32.84	22.96	20.32
PHEC40P-S21L	20/ROW X 2 ROWS	40.9	38.1	36.65	26.77	24.13
PHEC50P-S21L	25/ROW X 2 ROWS	47.25	44.45	43	33.12	30.48
PHEC60P-S21L	30/ROW X 2 ROWS	53.6	50.8	49.35	39.47	36.83
PHEC68P-S21L	34/ROW X 2 ROWS	58.68	55.88	54.43	44.55	41.91
PHEC80P-S21L	40/ROW X 2 ROWS	66.3	63.5	62.05	52.17	49.53
PHEC100P-S21L	50/ROW X 2 ROWS	79.0	76.2	74.75	64.87	62.23
PHEC120P-S21L	60/ROW X 2 ROWS	91.7	88.9	87.45	77.57	74.93

MATERIAL

INSULATOR: NYLON RESIN GLASS REINFORCED (UL94V-0)

COLOR: BLACK

CONTACT: COPPER ALLOY

MOUNTING LATCH: PHOSPHOR BRONZE

SOLDER PLATED

CONTACT PLATING TABLE

CONTACT AREA	REMAINDER
GOLD 0.25 MIN	SOLDER
OVER NICKEL 3Z	OVER NICKEL

PRINTED CIRCUIT CONNECTOR

CAT. NO.	PHEC___P-S21L
DRAWING NO.	JSC 90735
REV	3

DESIGNED

DRAWN

CHECKED

APPROVED

DATE

M. Oba

4.8/1

J. Koyashiki

Mar. 8, 1990

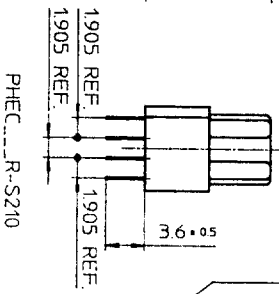
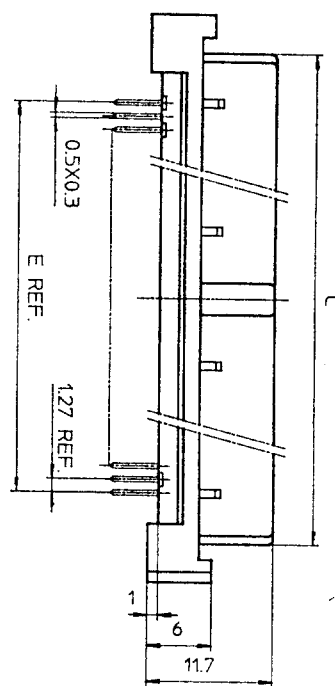
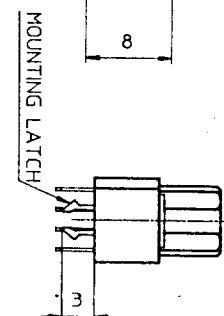
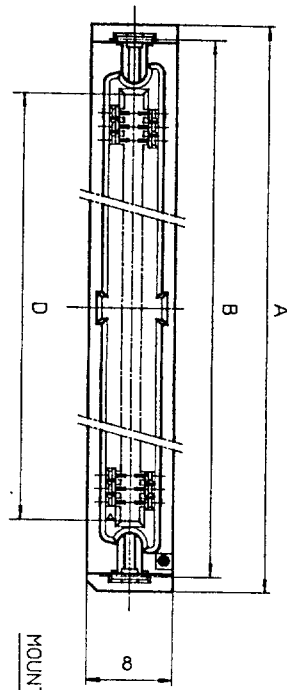
SCALE

DIM IN

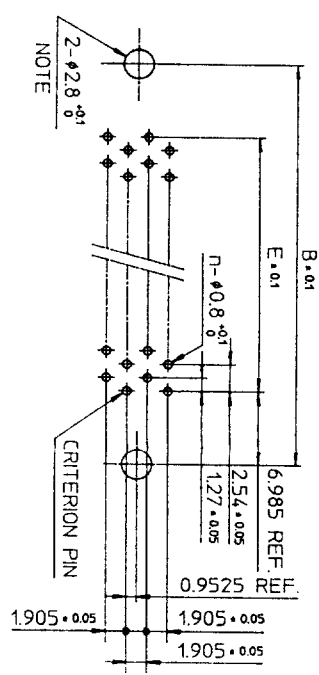
MATERIAL



REV	DATE	DESCRIPTION	CHK
1	8-11 '92	30,34,50,68 POSITIONS ADDED.	JSC
2	6-5 '90	EC 7866	JSC
1	4-20 '90	EC 7837	JSC

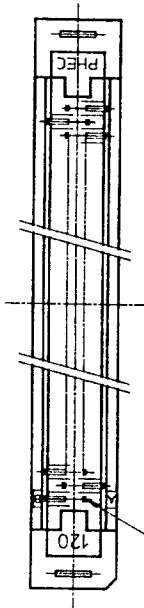


RECOMMENDED PC BOARD
THICKNESS: 1.6 ± 0.2
HOLE PATTERN (COMPONENT SIDE)
NO. OF CONTACTS: 40, 60, 80, 100, 120
N: NO. OF CONTACTS

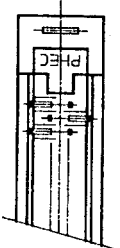


NOTE
THROUGH-HOLES FOR MOUNTING LATCHES ALSO SHOULD BE PLATED.
CRITERION PIN

NO. OF CONTACTS: 40, 60, 80, 100, 120



NO. OF CONTACTS: 30, 34, 50



MATERIAL

INSULATOR: PBT RESIN GLASS REINFORCED (UL94V-0)

COLOR: BLACK

CONTACT: PHOSPHOR BRONZE

MOUNTING LATCH: PHOSPHOR BRONZE

SOLDER PLATED

CAT. NO.	NO. OF CONTACTS (MATING SIDE)	DIMENSIONS				
		A	B	C	D	E
PHEC30R-S21	15/ROW X 2 ROWS	34.55	31.75	27.26	21.26	17.78
PHEC34R-S21	17/ROW X 2 ROWS	37.09	34.29	29.8	23.8	20.32
PHEC40R-S21	20/ROW X 2 ROWS	40.9	38.1	33.61	27.61	24.13
PHEC50R-S21	25/ROW X 2 ROWS	47.25	44.45	39.96	33.96	30.48
PHEC60R-S21	30/ROW X 2 ROWS	53.6	50.8	46.31	40.31	36.83
PHEC68R-S21	34/ROW X 2 ROWS	58.68	55.88	51.39	45.39	41.91
PHEC80R-S21	40/ROW X 2 ROWS	66.3	63.5	59.01	53.01	49.53
PHEC100R-S21	50/ROW X 2 ROWS	79.0	76.2	71.71	65.71	62.23
PHEC120R-S21	60/ROW X 2 ROWS	91.7	88.9	84.41	78.41	74.93

TOLERANCES
UNLESS OTHERWISE SPECIFIED: ±0.3

CONTACT PLATING TABLE

(THICKNESS: μm)

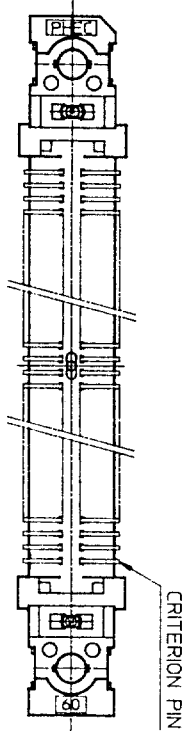
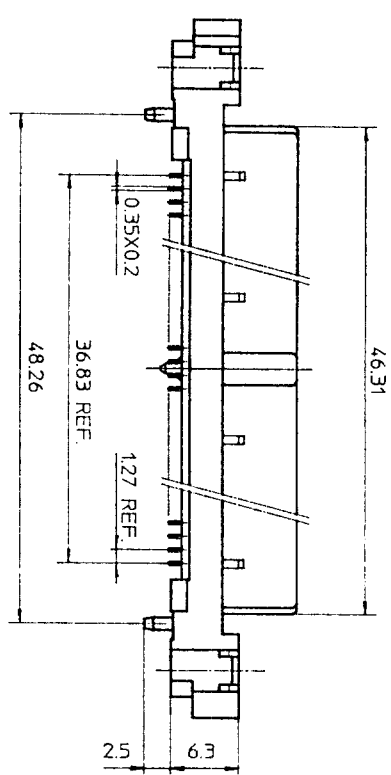
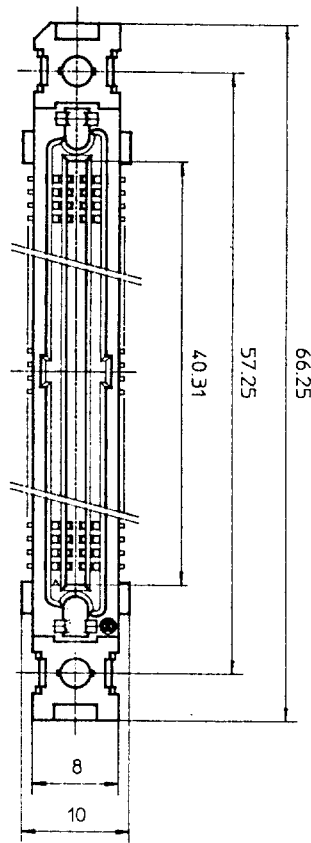
CONTACT AREA	REMAINDER
GOLD 0.25 MIN. OVER NICKEL 3.2	SOLDER OVER NICKEL

PRINTED CIRCUIT CONNECTOR
CAT. NO. PHEC...R-S21
DRAWING NO. JSC 90737
REV 4
BURNDY JAPAN Ltd.

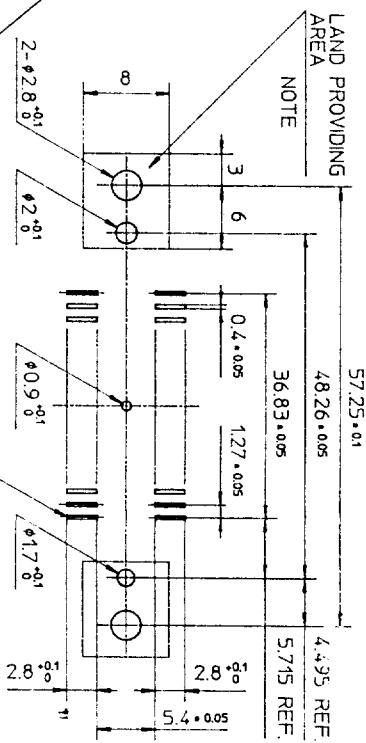
DESIGNED
DRAWN M. Oba
CHECKED H. Oba
APPROVED H. Oba
DATE Mar. 8, 1990

SCALE
DIM. IN mm
MATERIAL

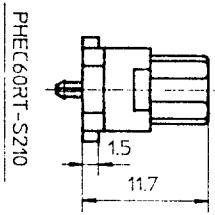
REV	DATE	DESCRIPTION	CKD
1	93-1-29	WRONG CONTACT DIM. CORRECTED.	
2	92-8-11	30,34,50,68 POSITIONS ADDED	No. 5.9
3	90-5-30	EC 7866	No. JK
4	90-4-20	EC 7837	No. JK
REFERENCE			



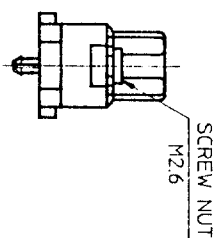
RECOMMENDED PC BOARD
THICKNESS: 1.6 ±0.2
HOLE PATTERN (COMPONENT SIDE)



NOTE
PROVIDE LAND SO THAT FLANGE PORTION OF THE CONNECTOR
CAN BE PUT.



PHEC60RT-S210



PHEC60RT-S212

TOLERANCES
UNLESS OTHERWISE SPECIFIED: ±0.3

MATERIAL

INSULATOR: PPS RESIN GLASS REINFORCED (UL94V-0)
COLOR: BLACK

CONTACT: PHOSPHOR BRONZE

SCREW NUT: STAINLESS

NO. OF CONTACTS: 30/ROW X 2 ROWS (MATING SIDE)

CONTACT PLATING TABLE

CONTACT AREA		REMAINDER	
GOLD 0.25 MIN.		SOLDER	
OVER NICKEL 32		OVER NICKEL	

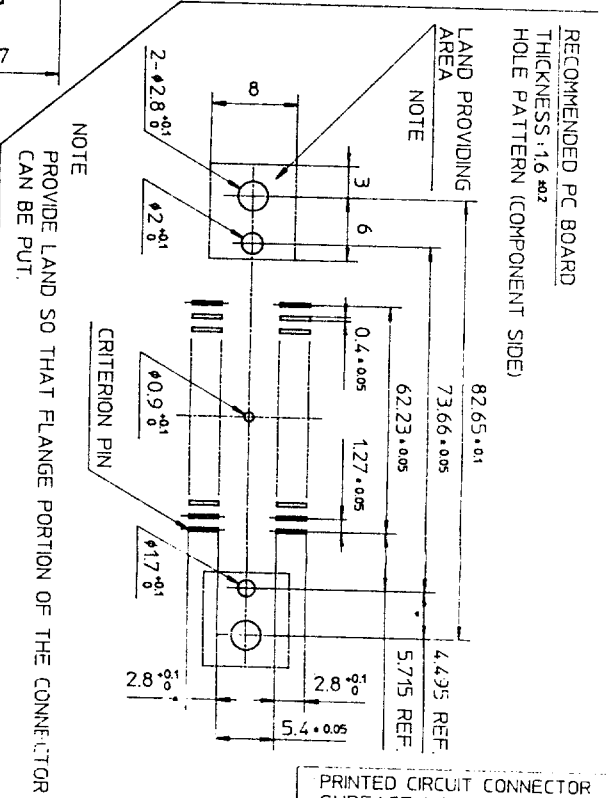
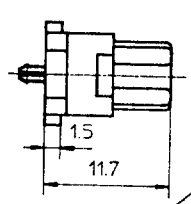
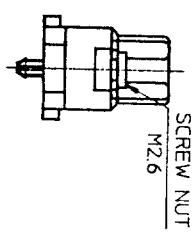
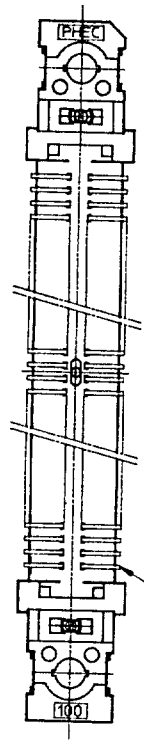
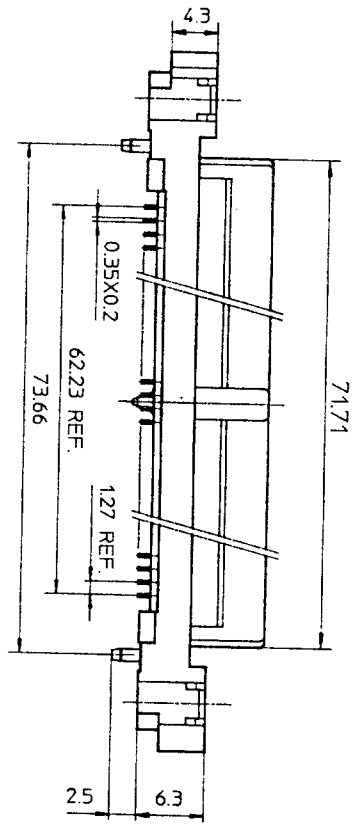
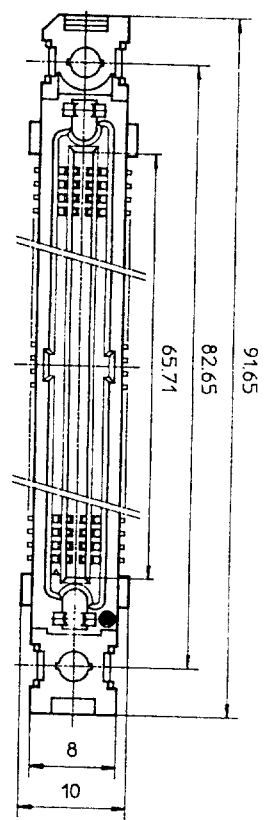
PRINTED CIRCUIT CONNECTOR
SURFACE MOUNT TYPE

REV	DATE	DESCRIPTION	CHKD.
4	8-14 '92	WRONG CONTACT DIM. CORRECTED	
3	1-8 '92	100 POSITIONS OF DELETED.	
2	6-8 '90	DIM. CHANGED.	
1	4-20 '90	EC7866	
		VARIATION ADDED.	

SCALE
DIM. IN
MATERIAL

DESIGNED
DRAWN
CHECKED
APPROVED
DATE

CAT. NO.
PHEC60RT-S21_
DRAWING NO.
JSC 90739
REV
4
BURNDY
JAPAN, Ltd.



TOLERANCES
UNLESS OTHERWISE SPECIFIED: ±0.3

MATERIAL

INSULATOR : PPS RESIN GLASS REINFORCED (UL94V-0)
COLOR : BLACK

CONTACT : PHOSPHOR BRONZE

SCREW NUT : STAINLESS

NO. OF CONTACTS : 50/ROW X 2 ROWS (MATING SIDE)

CONTACT PLATING TABLE

[THICKNESS : μm]	
CONTACT AREA	REMAINDER
GOLD 0.25 MIN.	SOLDER
OVER NICKEL 3Z	OVER NICKEL

PRINTED CIRCUIT CONNECTOR
SURFACE MOUNT TYPE

CAT. NO.	PHEC100RT-S21
DRAWING NO.	JSC 91839
REV	0

BURNDY
JAPAN, Ltd.

DESIGNED
DRAWN
CHECKED
APPROVED
DATE Aug. 11, 1992

SCALE
DIM. IN
MATERIAL

REV	DATE	DESCRIPTION	CHKD.

DRAWING NO.
JSC 90752

MATERIAL
INSULATOR : PBT RESIN GLASS REINFORCED (UL94V-0)
COLOR : BLACK
CONTACT : PHOSPHOR BRONZE
MOUNTING LATCH : PHOSPHOR BRONZE
SOLDER PLATED

CONTACT PLATING TABLE
[THICKNESS, μ m]

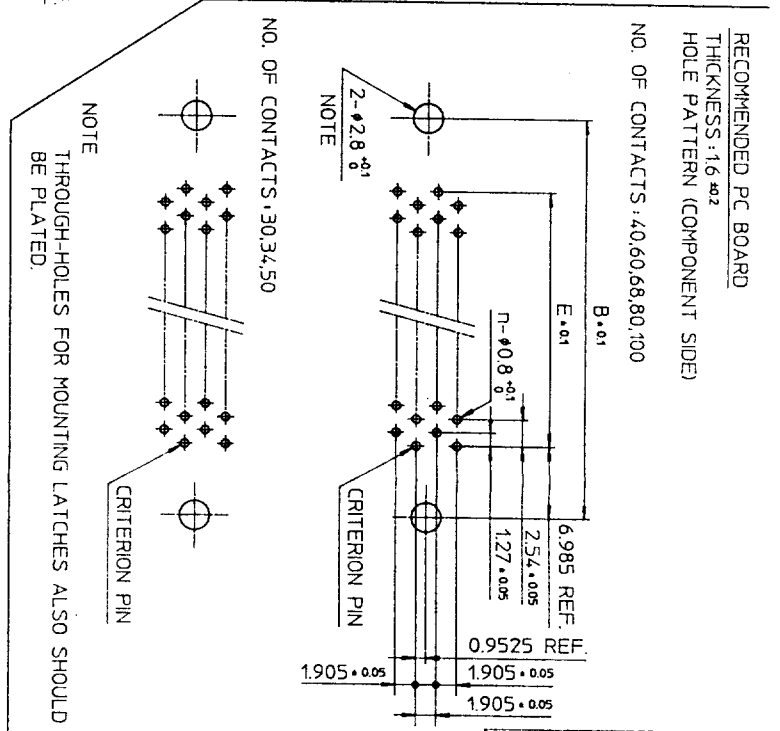
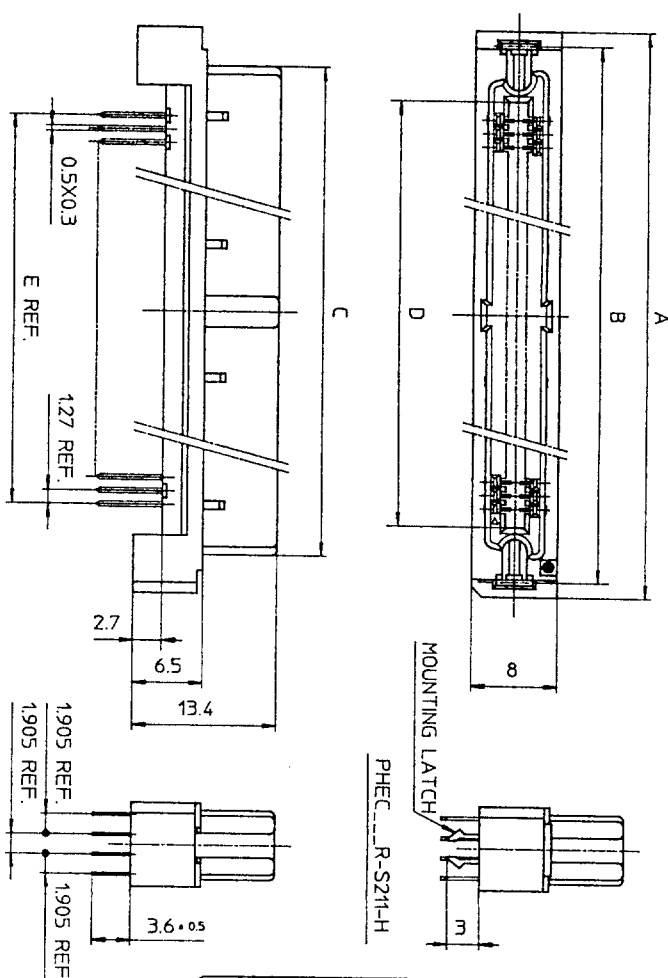
CONTACT AREA	REMAINDER
GOLD 0.25 MIN OVER NICKEL 3.2	SOLDER OVER NICKEL

REV	DATE	DESCRIPTION	CHKD.
5	'93 6-22	100 POSITIONS ADDED.	M.O.
4	'93 2-1	WRONG CONTACT DIM. CORRECTED.	M.O.
3	'92 8-11	100,120 POSITIONS DELETED. 30,34,50,68 POSITIONS ADDED.	M.O.
2	'90 5-30	DIM. CHANGED (36.61 $\rightarrow$ 33.61)	M.O.
1	'90 5-14	EC 7866	HE

REFERENCE

CAT. NO.	NO. OF CONTACTS (MATING SIDE)	DIMENSIONS				
		A	B	C	D	E
PHEC30R-S21-H	15/ROW X 2 ROWS	34.55	31.75	27.26	21.26	17.78
PHEC34R-S21-H	17/ROW X 2 ROWS	37.09	34.29	29.8	23.8	20.32
PHEC40R-S21-H	20/ROW X 2 ROWS	40.9	38.1	33.61	27.61	24.13
PHEC50R-S21-H	25/ROW X 2 ROWS	47.25	44.45	39.96	33.96	30.48
PHEC60R-S21-H	30/ROW X 2 ROWS	53.6	50.8	46.31	40.31	36.83
PHEC68R-S21-H	34/ROW X 2 ROWS	58.68	55.88	51.39	45.39	41.91
PHEC80R-S21-H	40/ROW X 2 ROWS	66.3	63.5	59.01	53.01	49.53
PHEC100R-S21-H	50/ROW X 2 ROWS	79.0	76.2	71.71	65.71	62.23

TOLERANCES
UNLESS OTHERWISE SPECIFIED: ± 0.3



NO. OF CONTACTS: 30,34,50	THROUGH-HOLES FOR MOUNTING LATCHES ALSO SHOULD BE PLATED.
DESIGNED	DRAWN
CHECKED	APPROVED
DATE	Mar. 24, 1990

PRINTED CIRCUIT CONNECTOR
HIGH STAND OFF TYPE

CAT. NO.
PHEC_R-S21-H

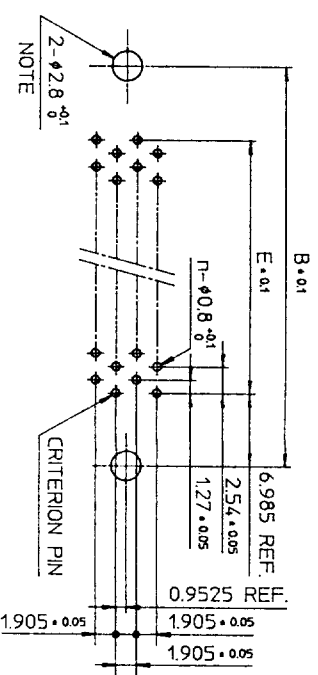
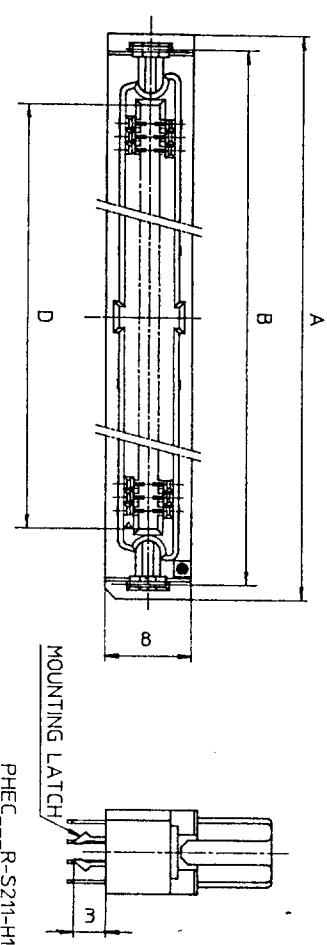
DRAWING NO.
JSC 90752

REV
5

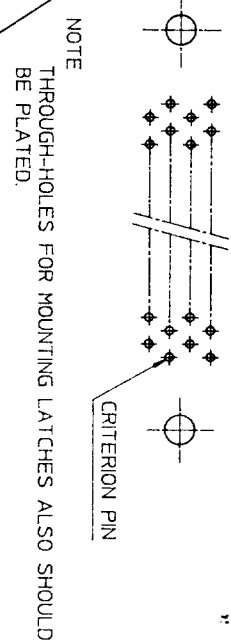
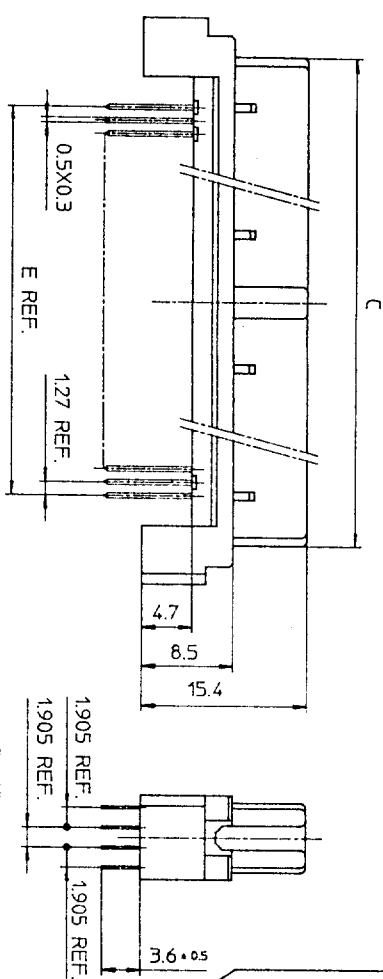
BURNDY
JAPAN, Ltd.

RECOMMENDED PC BOARD
THICKNESS: 1.6 ±0.2
HOLE PATTERN (COMPONENT SIDE)

NO. OF CONTACTS: 40,60,68

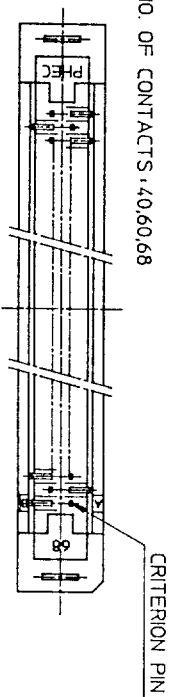


NO. OF CONTACTS: 30,34,50

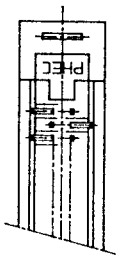


NOTE
THROUGH-HOLES FOR MOUNTING LATCHES ALSO SHOULD BE PLATED

NO. OF CONTACTS: 40,60,68



NO. OF CONTACTS: 30,34,50



TOLERANCES
UNLESS OTHERWISE SPECIFIED: ±0.3

CAT. NO.	NO. OF CONTACTS (MATING SIDE)	DIMENSIONS				
		A	B	C	D	E
PHEC30R-S21-H1	15/ROW X 2 ROWS	34.55	31.75	27.26	21.26	17.78
PHEC34R-S21-H1	17/ROW X 2 ROWS	37.09	34.29	29.8	23.8	20.32
PHEC40R-S21-H1	20/ROW X 2 ROWS	40.9	38.1	33.61	27.61	24.13
PHEC50R-S21-H1	25/ROW X 2 ROWS	47.25	44.45	39.96	33.96	30.48
PHEC60R-S21-H1	30/ROW X 2 ROWS	53.6	50.8	46.31	40.31	36.83
PHEC68R-S21-H1	34/ROW X 2 ROWS	58.68	55.88	51.39	45.39	41.91

MATERIAL

INSULATOR: PBT RESIN GLASS REINFORCED (UL94V-0)

COLOR: BLACK

CONTACT: PHOSPHOR BRONZE

MOUNTING LATCH: PHOSPHOR BRONZE

SOLDER PLATED

CONTACT PLATING TABLE

[THICKNESS: μm]

CONTACT AREA	REMAINDER
GOLD 0.25 MIN.	SOLDER
OVER NICKEL 3.2	OVER NICKEL

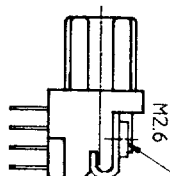
PRINTED CIRCUIT CONNECTOR
HIGH STAND OFF TYPE
CAT. NO.
PHEC_R-S21-H1
DRAWING NO. JSC 91840
REV 1
BURNDY JAPAN, Ltd.

DESIGNED
DRAWN M. Oba
CHECKED A. matsuo
APPROVED S. Ito
DATE Aug. 17, 1992

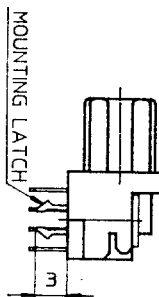
SCALE
DIM IN mm
MATERIAL

REV 93
1 2-1
DESCRIPTION WRONG CONTACT DIM. CORRECTED.
CKD

SCREW NUT



PHEC...R-R212



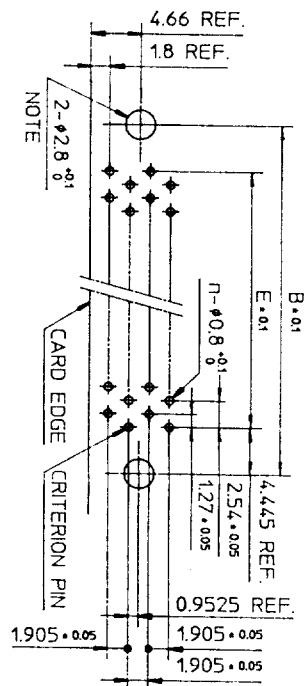
PHEC...R-R211

RECOMMENDED PC BOARD

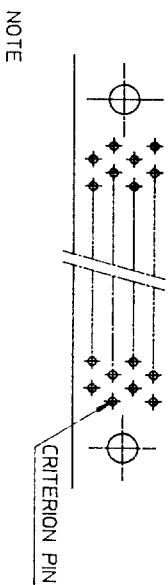
THICKNESS: 1.6 ±0.2
HOLE PATTERN (COMPONENT SIDE)

NO. OF CONTACTS: 40,60,68,80,
100,120

n : NO. OF CONTACTS



NO. OF CONTACTS: 30,34,50

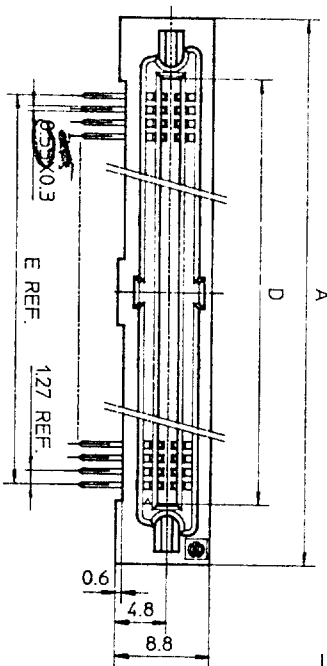


NOTE
THROUGH-HOLES FOR MOUNTING LATCHES ALSO SHOULD
BE PLATED.

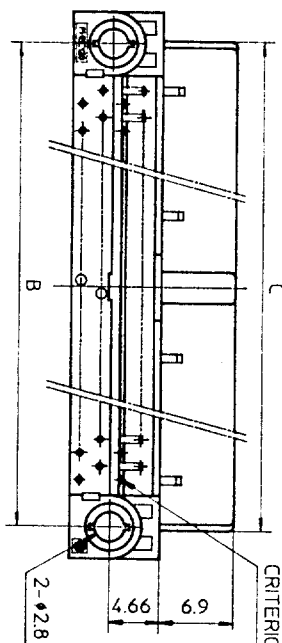
TOLERANCES

UNLESS OTHERWISE SPECIFIED, ±0.3

NO. OF CONTACTS: 40,60,68,80,100,120



CRITERION PIN



NO. OF CONTACTS: 30,34,50

MATERIAL

BODY: PBT RESIN GLASS REINFORCED (UL94V-0)
LOCATOR: COLOR, BLACK

CONTACT: PHOSPHOR BRONZE

MOUNTING LATCH: PHOSPHOR BRONZE
SOLDER PLATED

SCREW NUT: STEEL
NICKEL PLATED

CAT. NO.	NO. OF CONTACTS (MATING SIDE)	DIMENSIONS				
		A	B	C	D	E
PHEC30R-R21	15/ROW X 2 ROWS	32.67	26.67	27.26	21.26	17.78
PHEC34R-R21	17/ROW X 2 ROWS	35.21	29.21	29.8	23.8	20.32
PHEC40R-R21	20/ROW X 2 ROWS	39.02	33.02	33.61	27.61	24.13
PHEC50R-R21	25/ROW X 2 ROWS	45.37	39.37	39.96	33.96	30.48
PHEC60R-R21	30/ROW X 2 ROWS	51.72	45.72	46.31	40.31	36.83
PHEC68R-R21	34/ROW X 2 ROWS	56.8	50.8	51.39	45.39	41.91
PHEC80R-R21	40/ROW X 2 ROWS	64.42	58.42	59.01	53.01	49.53
PHEC100R-R21	50/ROW X 2 ROWS	77.12	71.12	71.71	65.71	62.23
PHEC120R-R21	60/ROW X 2 ROWS	89.82	83.82	84.41	78.41	74.93

CONTACT PLATING TABLE

(THICKNESS: μm)

CONTACT AREA	REMAINDER
GOLD 0.25 MIN. OVER NICKEL 3.2	SOLDER OVER NICKEL

SCALE

DIM. IN mm

MATERIAL

DESIGNED

DRAWN M. Oda

CHECKED 4.64

APPROVED J. H. J. J.

DATE Mar. 8, 1990

PRINTED CIRCUIT CONNECTOR

CAT. NO.

PHEC...R-R21

DRAWING NO.

JSC 90738

REV

3

BURNDY
JAPAN, Ltd.

DRAWING NO.
JSC 90738

3 92 8-11 30,34,50,68 POSITIONS ADDED.

2 90 6-8 EC 7866

1 90 4-20 EC 7837

REV. DATE DESCRIPTION

REFERENCE

CKD

EC-PHEC 02