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(73)

416

(72)

1 114 2101

1 79-22

8 (801-848)

823 1402

326-103

(74)

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(54)

가

2a

, FPC,

1
2a
,
2b 2a
3 2
4 3
5 2
FPC
* *
200 : FPC 210 :
215 : 1 220 :
225 : 2 230 :

가
(Flexible Printed Circuit, 'FPC') , FPC
(Printed Circuit Board : PCB)
FPC
1 FPC(100) (110), (120), (130),
1 (115) 2 (125) (110) P, (120) G, (130),
130) S (110)
(120) FPC(100) (110) (120)가
(130)
1 (115) (110) (150) 1 (152)
1 (125) (120) (150) 2 (154)
(130) (150)
() (150)
1 (152) 2 (154) (150) , F
ET
1 2 (152, 154) (150) , 1 2
1 2 (152, 154) 1 2 (115, 125)
(lead)
(150) FPC(100)
가 (, Y1-P)(110) ()
(, Y1-G)(120) 가
[1] 1 FPC(100)

[1]

(: nH)

1 (215) (210) (250) 1 (252)
 . , 1 (215) (210) 1 (252)
 (256)
 2 (225) (220) (250) 2 (254)
 (230) (250)
 1 2 (252, 254) 1 2 (215, 225) (lead)
 1 2 (215, 225)
 (210) 2b (250)
 (256) 1 (215) (Y1-P)(210) (Y1-P)(210)
 (256) (Y1-P)(210)
 (220) FPC(200) (210) (220) (220)가 (230)
 (210), (220) (230)
 (Dimple)
 3 2a , 4 3
 1 2
 3 4 , (220) 2 (225) (, A
) (210) 1 (215) 1 (215) 2
 (225) (A) 1 1 (215) 1 (215) 2 1
 (215) 1 2 1 (215) (215)
 (d) 30 μ m ~ 500 μ m (d)
 , 1 2 (215, 225) 1 2 (252
 , 254) 가
 (,)
 , 2b , (250) 2a FPC(200)
 (250) 1 2 (254)
 (256) (250) (250) FET , 1 2
 1 2 (252, 254) (250) 가 , 1 2
 (252, 254) 1 2 FPC(200) 1 2
 (256) (215, 225)
 FPC(200) (250)가 가
 (250) FPC(200)
 가 , FPC(200)
 (, Y1-P)(210) (, Y1-G)(220) (FPC(200)
 (250) (256) , Y1)
 Y1 Y , 1 Y1 1 2 (225)
 (250) 1
 5 2 (250) FPC(200)
 5 , FPC(200) 1 2 (215, 225) (250) 1 2 (252, 2
 54) (V_P)(210) FET on 가 , R_H (256)
 , (GND)(220) , (256)
 (250) FPC(200) [1] 가

$$Z = R + \omega L + \frac{1}{\omega C}$$

[1] , Z , R R₁ R₄ , L L₁ L₂ , C
 , (Z)가 FPC(200) [1] (250) (R), (L) (C)

(Z) (L) 가
[2] 2 (250) FPC(200)

[2]

	(: nH)
Y1	5.9
Y2	14.9
M1	14.1
M2	16.6
C1	11.4
C2	13.8

[2] , 'Y' (yellow), 'C' (magenta), 'C' (cyan)
, '1' '2' (250) 1 2
, Y1 (Y1-P) (Y1-G) , Y2 (Y2-P)
) (Y2-G) M1, M2, C1 C2

[2] , , 1 (215) , 2 (225) 1 (215) (A) 2 (225) (width)(a)
, FPC(200) (d)가 60 μ m ~ 100 μ m 5.9nH , 16.
6nH (d) , 1 2 (215, 225) (d)

FET 1 2 (215, 225) 가 FPC(200) (250)

[2] 1 2 가 1 2
1 2 (215, 225) (d) FPC(200) , (250) 1 1 2 (215, 225)
(d) 2 1 2 (215, 225) (d)
, 1 2 FPC(200) 가 , 1 1 2 (215, 225)
(d)가 2 1 2 (215, 225) (d) 1 2 (215,
225)
(d) 가
(d) 가
, FPC(200)가 (250) 1 2 (25
6) 가 가 , 1 2
1 2 (256) 가
(256)가
가 가

1.

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2.

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30 μ m ~ 300 μ m

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3.

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가

가

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4.

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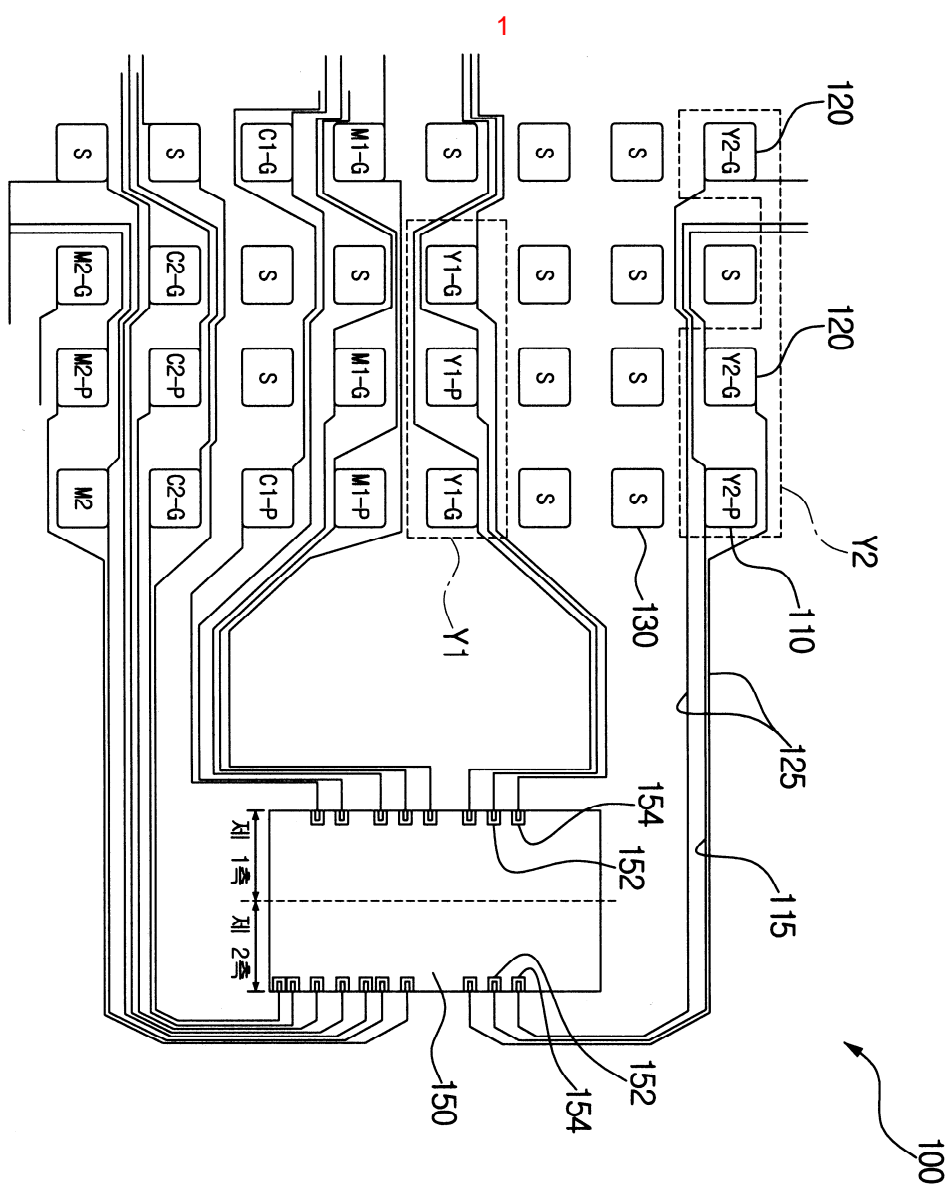
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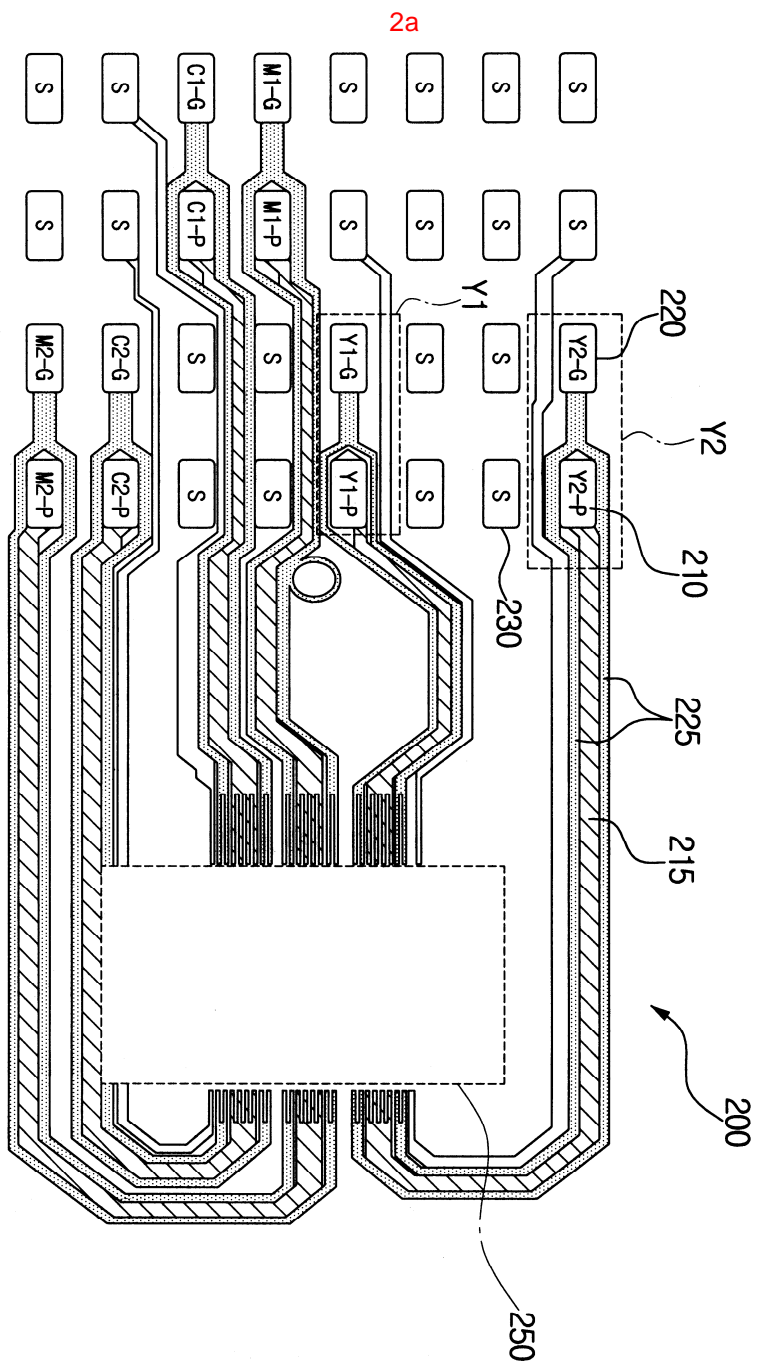
2

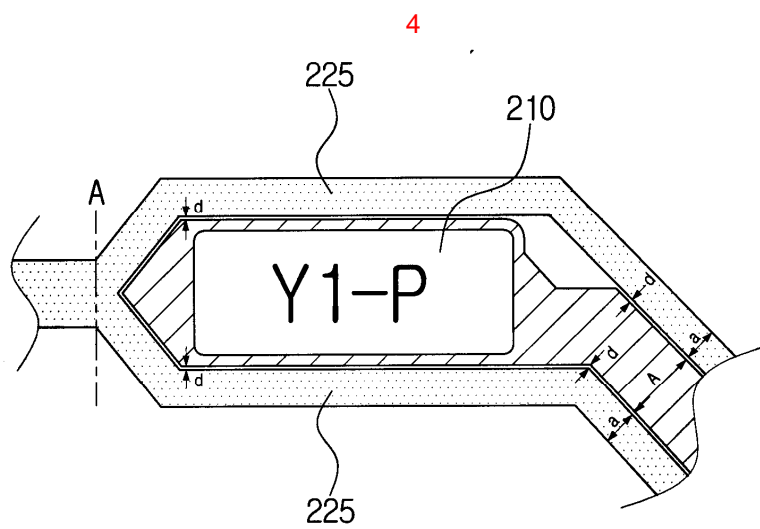
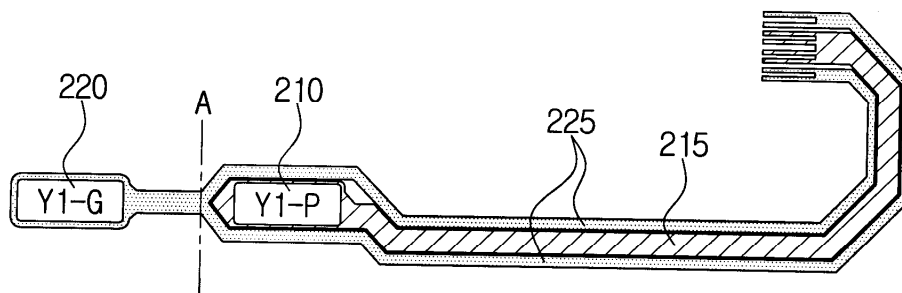
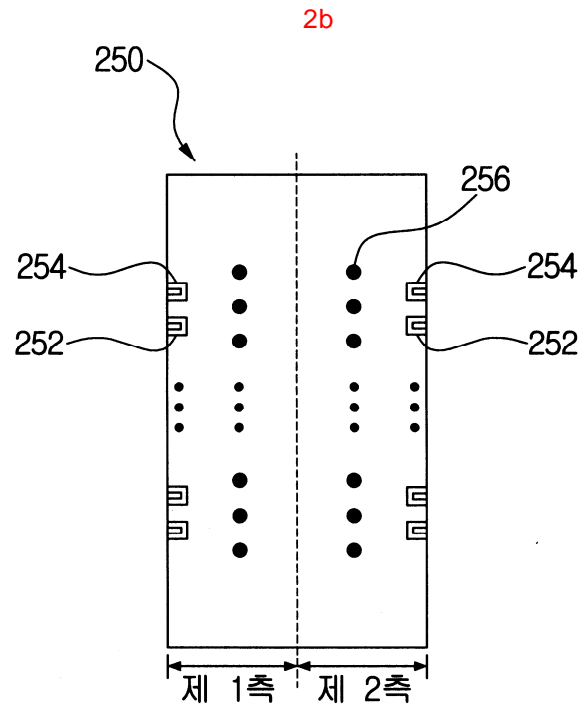
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