

POWERED MIXER

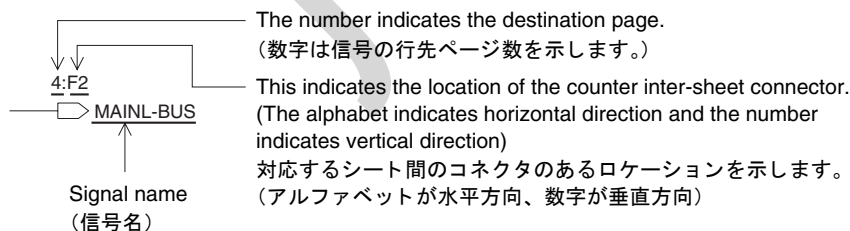
EMX512sc/EMX312sc CIRCUIT DIAGRAM

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Notation for Circuit Diagrams (回路図表記上の注意)

1. How to identify inter-sheet connectors. (シート間コネクタの読み方について)



Note: See parts list for details of circuit board component parts.

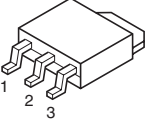
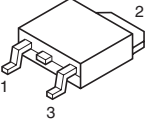
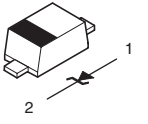
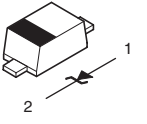
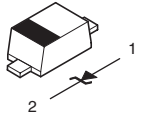
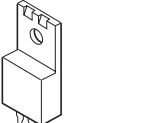
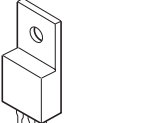
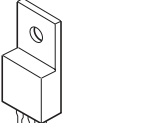
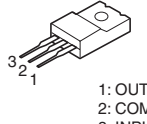
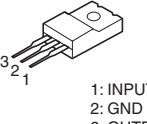
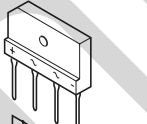
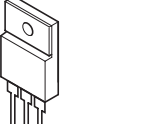
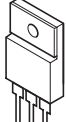
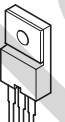
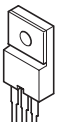
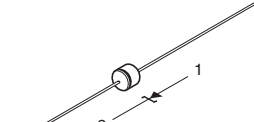
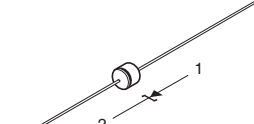
注：シートの部品詳細はパーツリストをご参照ください。

■ WARNING (注意)

Components having special characteristics are marked \triangle and must be replaced with parts having specification equal to those originally installed.

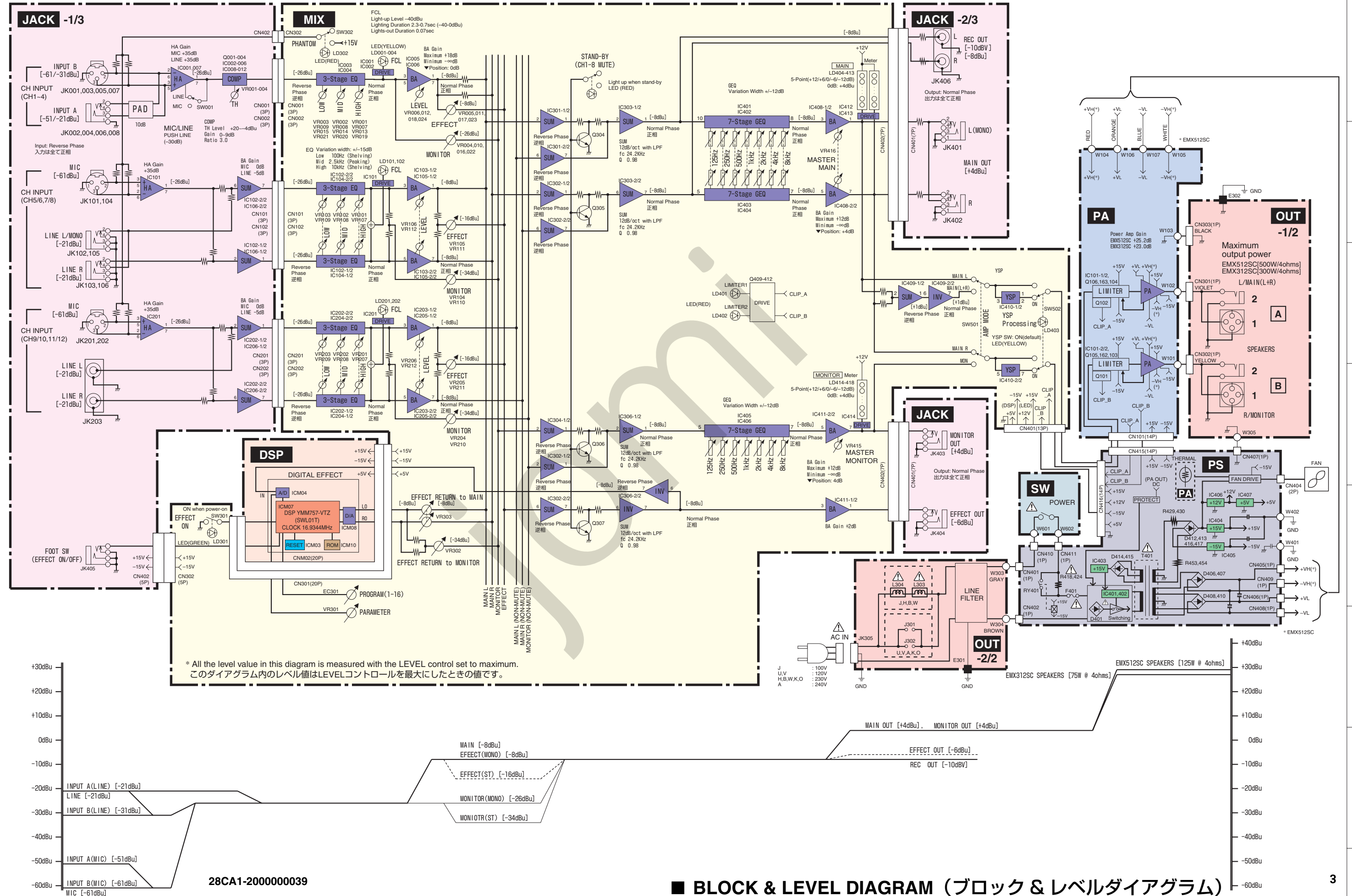
\triangle 印の部品は、安全を維持するために重要な部品です。交換する場合は、安全のために必ず指定の部品をご使用ください。

IC & DIODE OUTSIDE FIGURE (外形図)

<div><div>• RH5RZ25CA-T1 (X3679A00) REGULATOR +2.5V DSP:ICM05</div><div><p>1: GND 2: V in 3: V out</p></div></div>	<div><div>• μPC2933AT-E1 (X0638A00) REGULATOR +3.3V DSP:ICM06</div><div><p>1: V in 2: GND 3: V out</p></div></div>	<div><div>• UDZS12B (VU172800) ZENER DIODE PA:D101</div><div><p>1: ANODE 2: CATHODE</p></div></div>	<div><div>• UDZS3.9B (VU171600) ZENER DIODE PA:D107</div><div><p>1: ANODE 2: CATHODE</p></div></div>
<div><div>• UDZS5.6B (VU172000) ZENER DIODE PA:D136,D137</div><div><p>1: ANODE 2: CATHODE</p></div></div>	<div><div>• NJM78M15FA (XJ603A00) REGULATOR +15V PS:IC403</div><div><p>1: OUTPUT 2: COMMON 3: INPUT</p></div></div>	<div><div>• NJM7815FA (XD853A00) REGULATOR +15V PS:IC404</div><div><p>1: INPUT 2: COMMON 3: OUTPUT</p></div></div>	<div><div>• NJM7915FA (XD854A00) REGULATOR -15V PS:IC405</div><div><p>1: COMMON 2: INPUT 3: OUTPUT</p></div></div>
<div><div>• NJM78M12FA (XJ602A00) REGULATOR +12V PS:IC406</div><div><p>1: OUTPUT 2: COMMON 3: INPUT</p></div></div>	<div><div>• NJM78M05FA (XJ604A00) REGULATOR +5V PS:IC407</div><div><p>1: INPUT 2: GND 3: OUTPUT</p></div></div>	<div><div>• RBV-1306 (V2261600) DIODE BRIDGE PS:D401</div><div></div></div>	<div><div>• FMU-34S (V5877300) DIODE PS:D406</div><div></div></div>
<div><div>• FMU-34R (V5877400) DIODE PS:D407</div><div></div></div>	<div><div>• FMU-22R (WD886300) DIODE STACK PS:D408</div><div></div></div>	<div><div>• FMU-22S (WD886200) DIODE STACK PS:D410</div><div></div></div>	<div><div>• MTZJ33B (VG443700) ZENER DIODE PS:D418</div><div><p>1: ANODE 2: CATHODE</p></div></div>
<div><div>• MTZJ15B (VG440800) ZENER DIODE PS:D428</div><div><p>1: ANODE 2: CATHODE</p></div></div>			

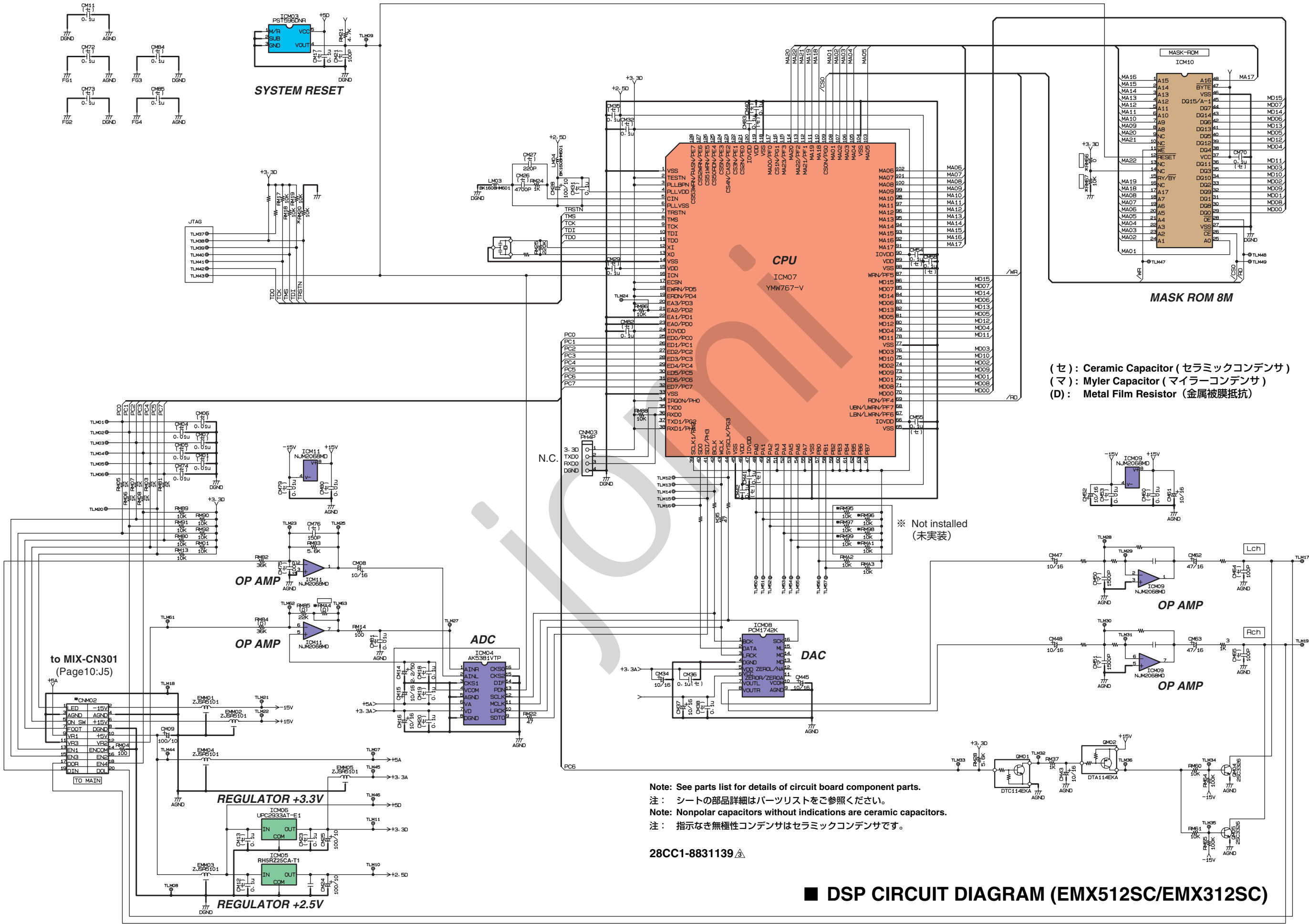
■ BLOCK & LEVEL DIAGRAM (ブロック & レベルダイアグラム)

EMX512SC/EMX312SC



■ DSP CIRCUIT DIAGRAM (EMX512SC/EMX312SC)

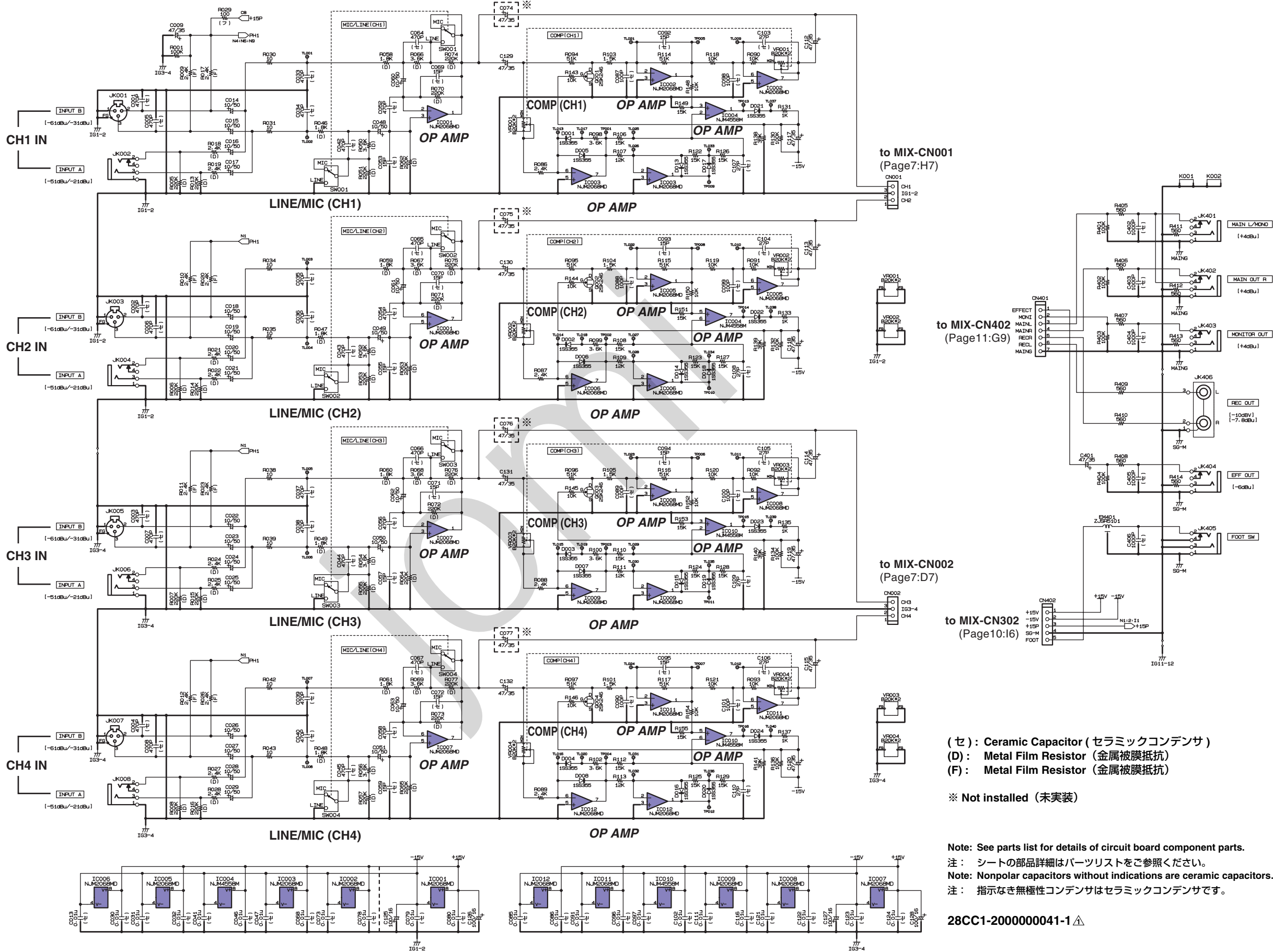
EMX512SC/EMX312SC



■ DSP CIRCUIT DIAGRAM (EMX512SC/EMX312SC)

JACK CIRCUIT DIAGRAM 1 (EMX512SC/EMX312SC)

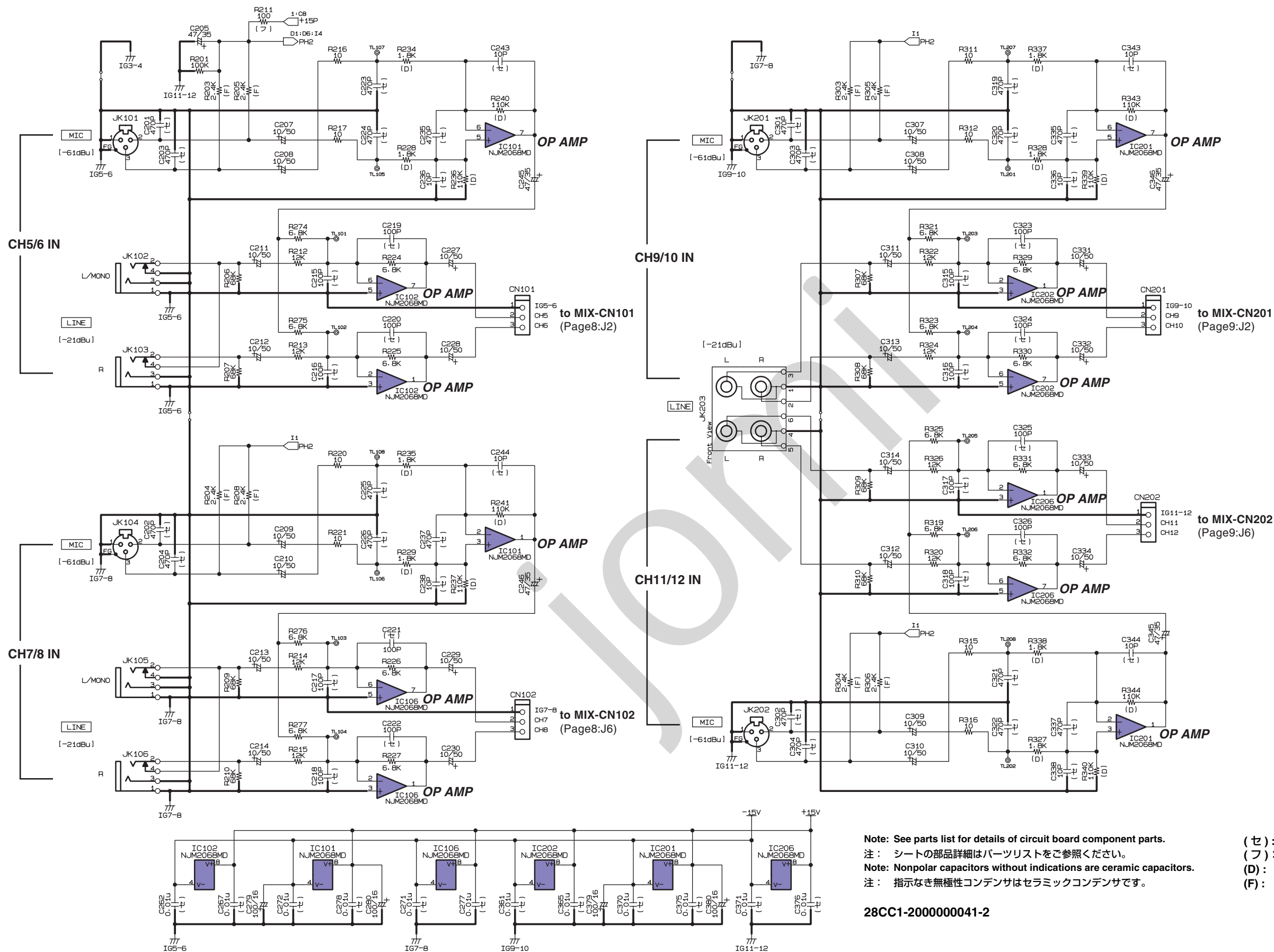
EMX512SC/EMX312SC



JACK CIRCUIT DIAGRAM 1 (EMX512SC/EMX312SC)

JACK CIRCUIT DIAGRAM 2 (EMX512SC/EMX312SC)

EMX512SC/EMX312SC



Note: See parts list for details of circuit board component parts.

注： シートの部品詳細はパーツリストをご参照ください。

Note: Nonpolar capacitors without indications are ceramic capacitors.

注： 指示なき無極性コンデンサはセラミックコンデンサです。

(セ) : Ceramic Capacitor (セラミックコンデンサ)

(フ) : Flame Proof C. Resistor (不燃化カーボン抵抗)

(D) : Metal Film Resistor (金属被膜抵抗)

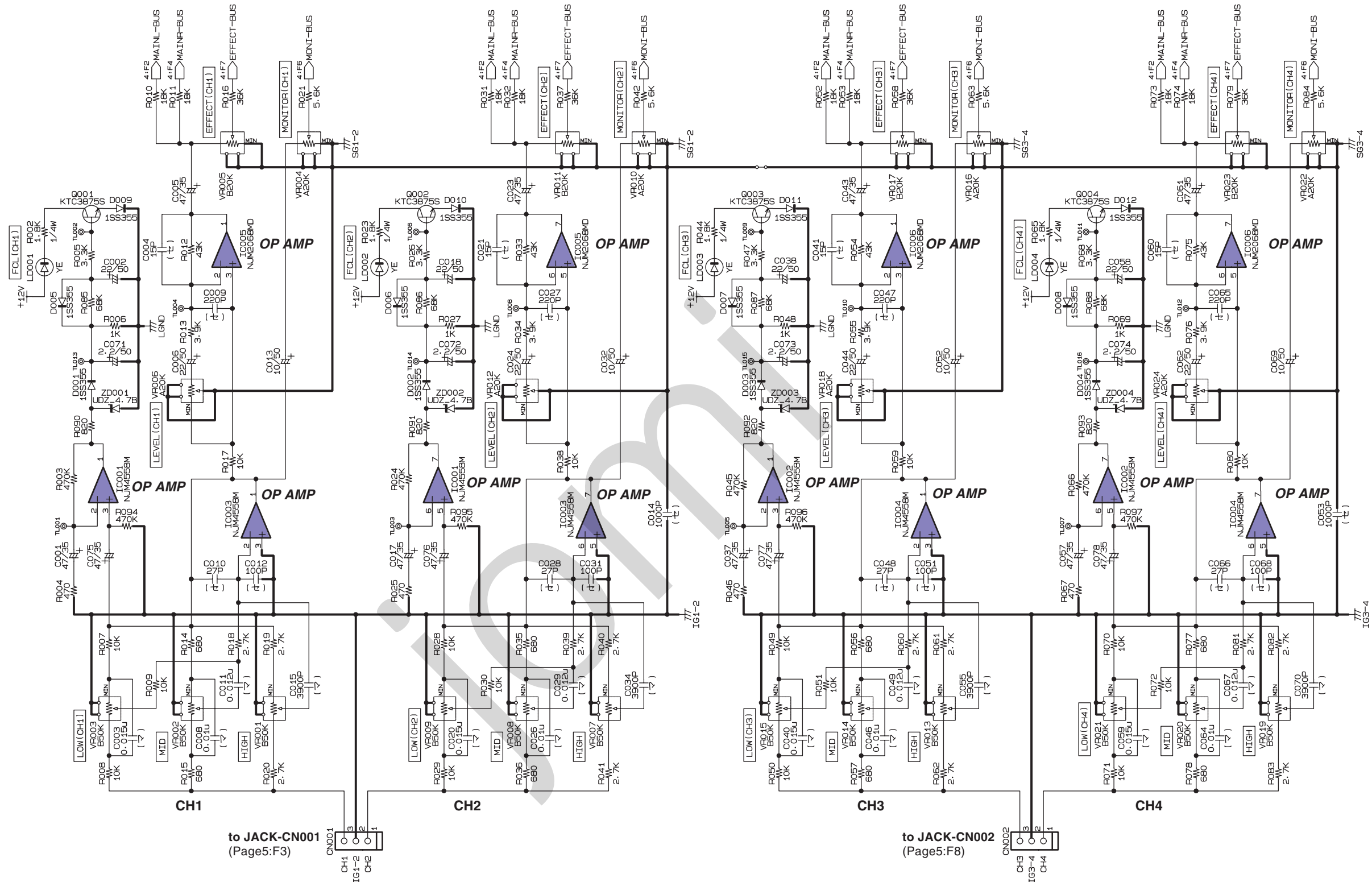
(F) : Metal Film Resistor (金属被膜抵抗)

28CC1-2000000041-2

JACK CIRCUIT DIAGRAM 2 (EMX512SC/EMX312SC)

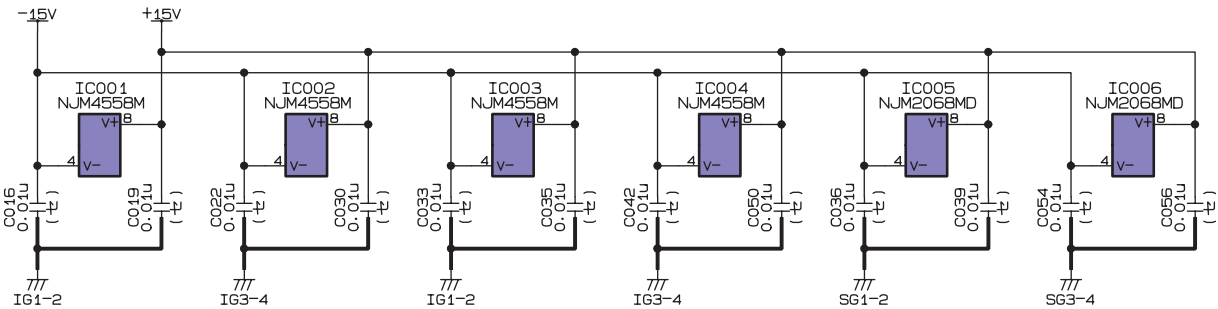
MIX CIRCUIT DIAGRAM 1 (EMX512SC/EMX312SC)

EMX512SC/EMX312SC



(セ) : Ceramic Capacitor (セラミックコンデンサ)
(マ) : Myler Capacitor (マイラーコンデンサ)

Note: See parts list for details of circuit board component parts.
注 : シートの部品詳細はパーツリストをご参照ください。
Note: Nonpolar capacitors without indications are ceramic capacitors.
注 : 指示なき無極性コンデンサはセラミックコンデンサです。



28CC1-200000042-1

MIX CIRCUIT DIAGRAM 1 (EMX512SC/EMX312SC)

MIX CIRCUIT DIAGRAM 2 (EMX512SC/EMX312SC)

EMX512SC/EMX312SC

to JACK-CN101
(Page6:G3)

to JACK-CN102
(Page6:G7)

(セ) : Ceramic Capacitor (セラミックコンデンサ)
(マ) : Myler Capacitor (マイラーコンデンサ)

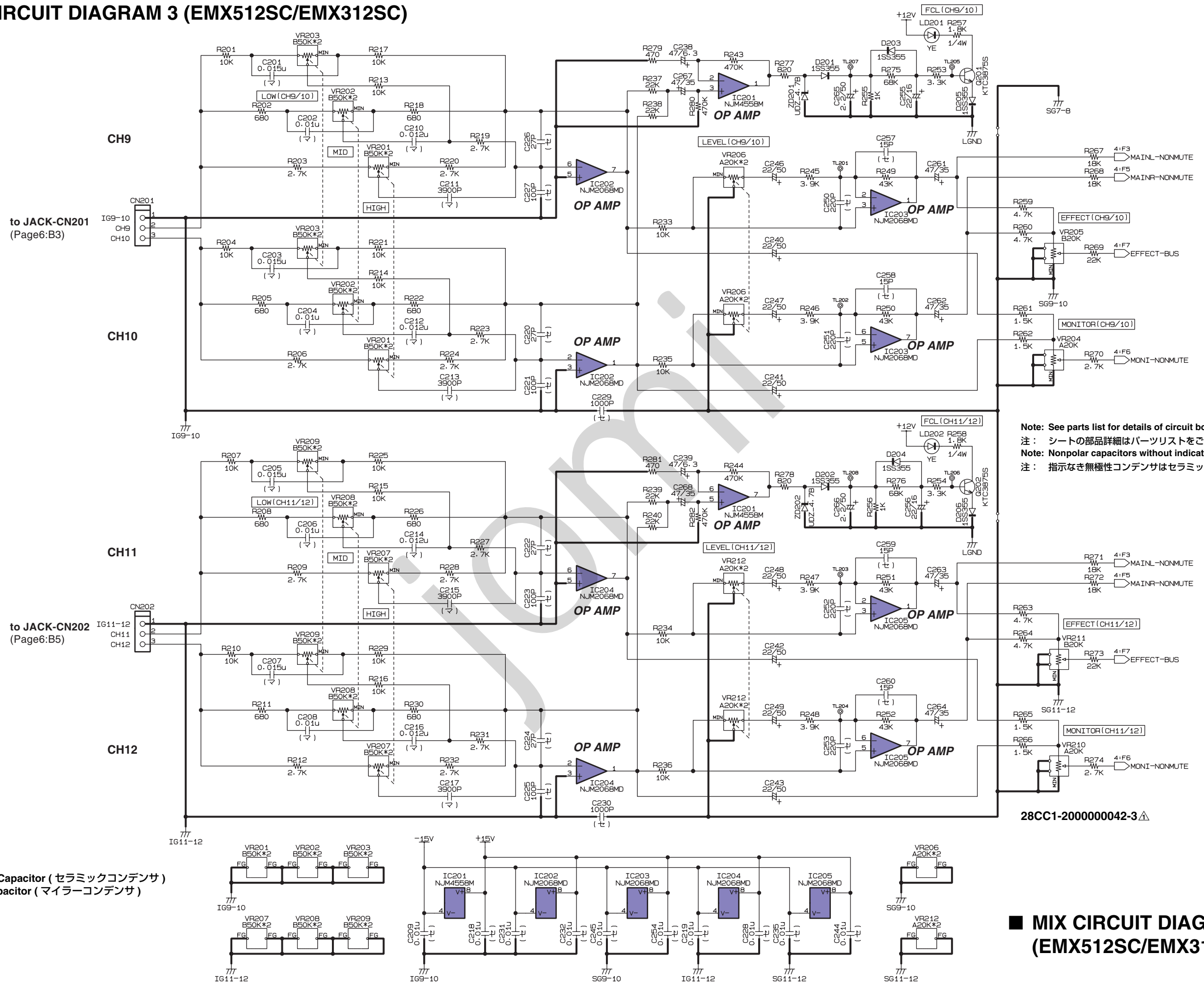
Note: See parts list for details of circuit board component parts.
注 : シートの部品詳細はパーツリストをご参照ください。
Note: Nonpolar capacitors without indications are ceramic capacitors.
注 : 指示なき無極性コンデンサはセラミックコンデンサです。

28CC1-2000000042-2

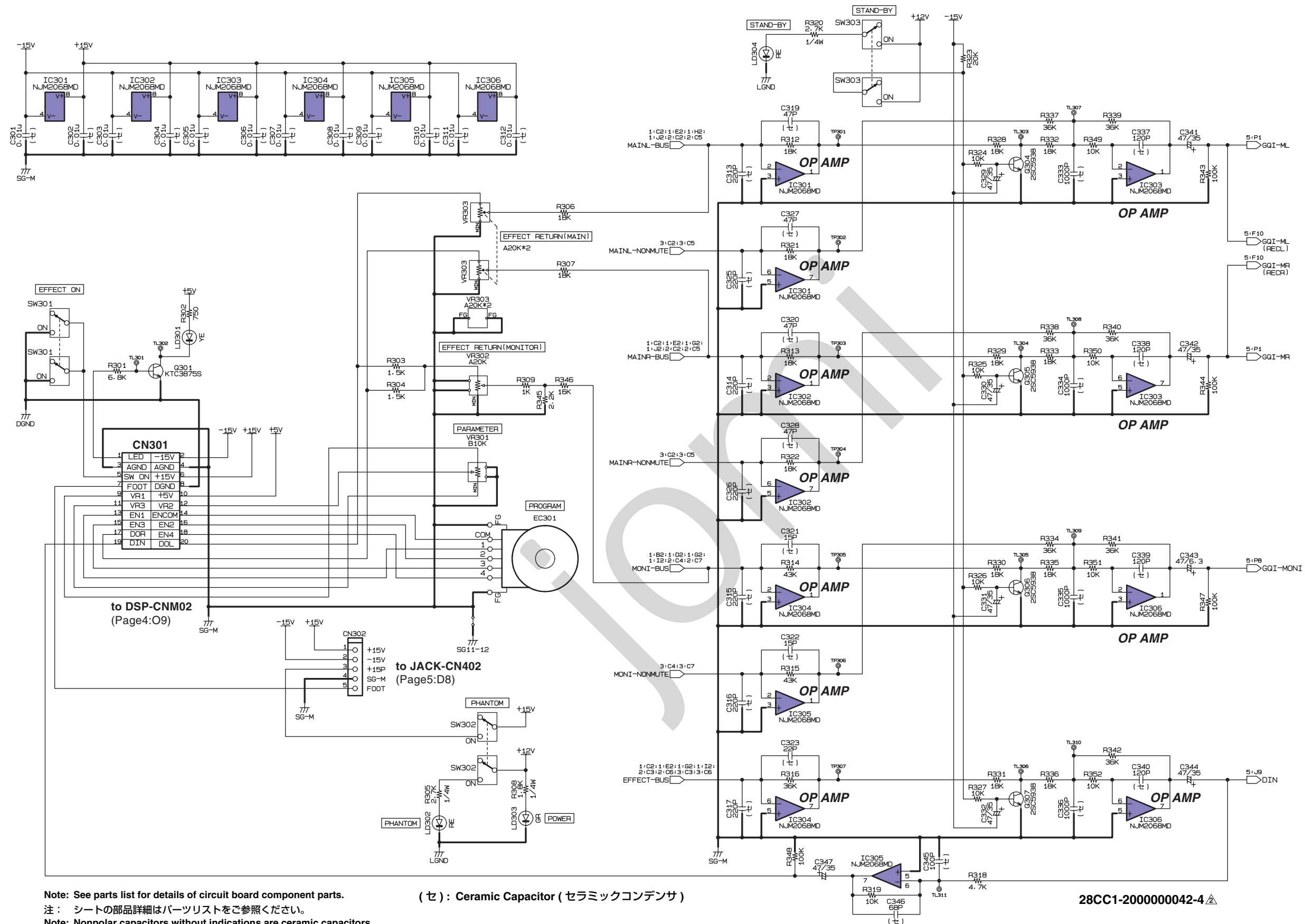
MIX CIRCUIT DIAGRAM 2
(EMX512SC/EMX312SC)

MIX CIRCUIT DIAGRAM 3 (EMX512SC/EMX312SC)

EMX512SC/EMX312SC



MIX CIRCUIT DIAGRAM 3 (EMX512SC/EMX312SC)



Note: See parts list for details of circuit board component parts.

注： シートの部品詳細はパーツリストをご参照ください。

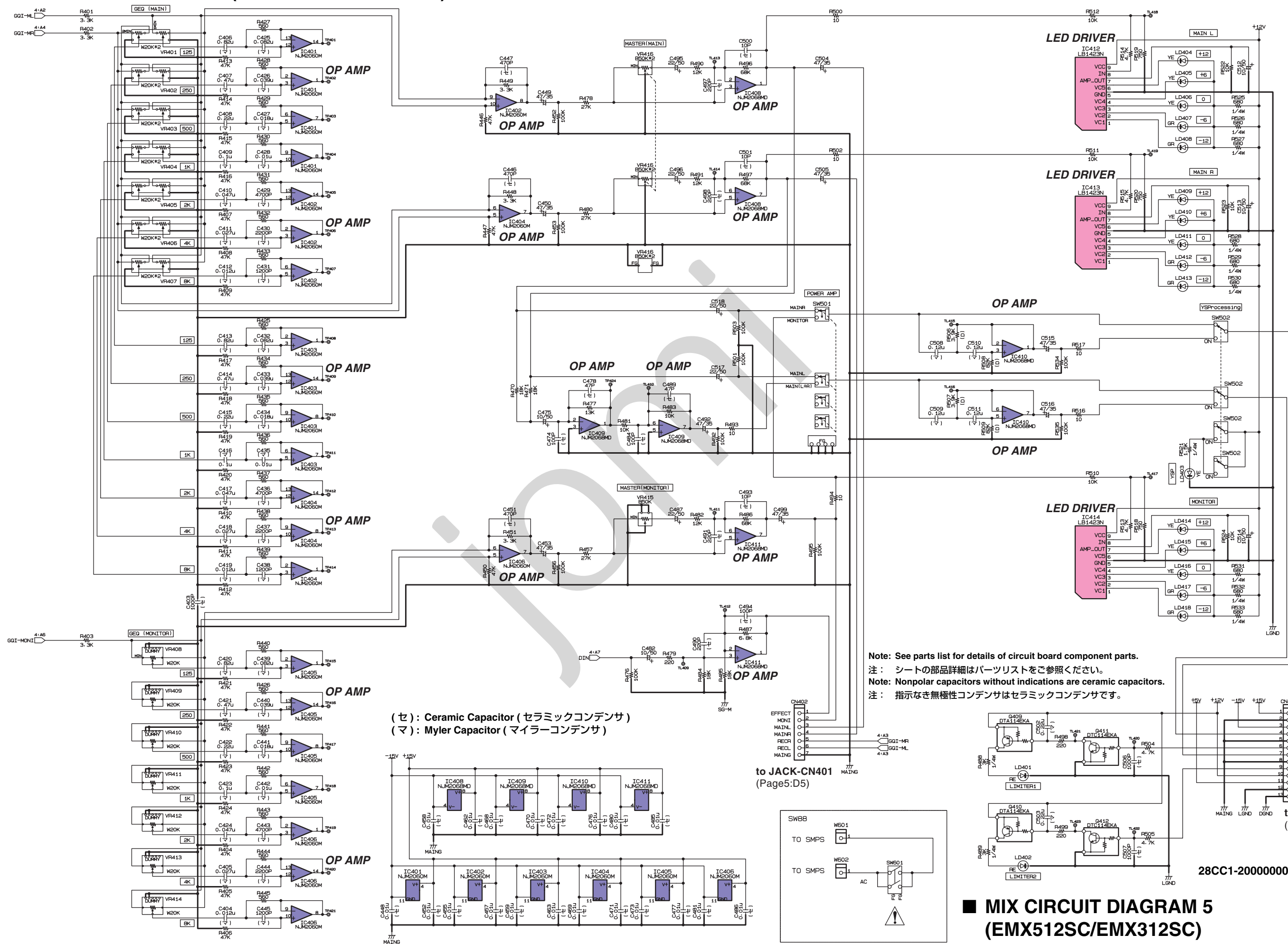
Note: Nonpolar capacitors without indications are ceramic capacitors.

注： 指示なき無極性コンデンサはセラミックコンデンサです。

(セ) : Ceramic Capacitor (セラミックコンデンサ)

MIX CIRCUIT DIAGRAM 5 (EMX512SC/EMX312SC)

EMX512SC/EMX312SC



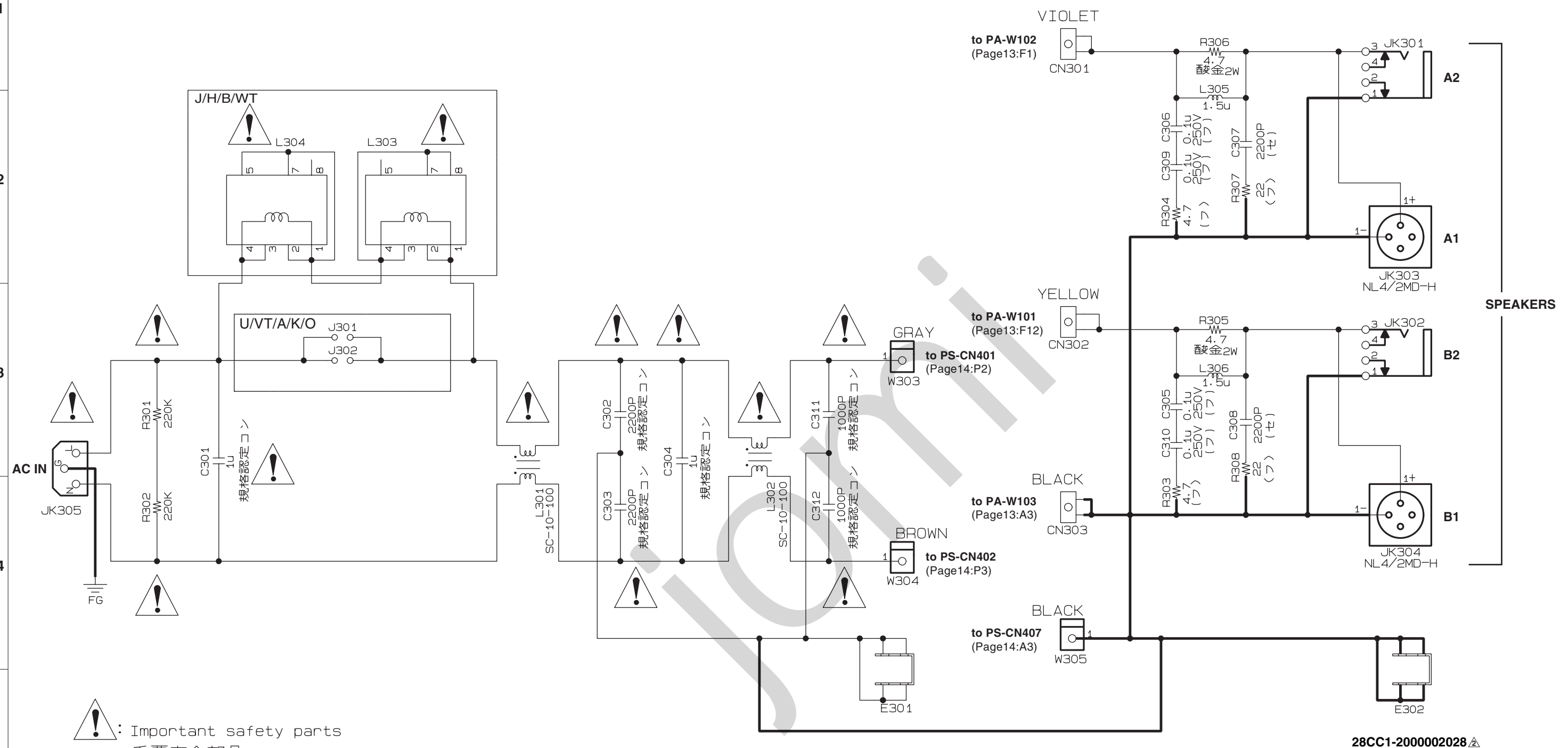
(セ) : Ceramic Capacitor (セラミックコンデンサ)
(マ) : Myler Capacitor (マイラーコンデンサ)


Note: See parts list for details of circuit board component parts.
注： シートの部品詳細はパーツリストをご参照ください。
Note: Nonpolar capacitors without indications are ceramic capacitors.
注： 指示なき無極性コンデンサはセラミックコンデンサです。

MIX CIRCUIT DIAGRAM 5 (EMX512SC/EMX312SC)

■ OUT CIRCUIT DIAGRAM (EMX512SC/EMX312SC)

EMX512SC/EMX312SC



: Important safety parts
重要安全部品

Parts of each model

DESTINATION	L303, L304	J301, 302
J	WF514600 or WG090600	×
U/V/A/K/O	×	○
H/B/W	WF514500 or WG090700	×

規格認定コン: Capacitor (規格認定コン)
(セ): Ceramic Capacitor (セラミックコンデンサ)
酸金: Metal Oxide Film Resistor (酸化金属被膜抵抗)
(フ): Flame Proof C. Resistor (不燃化カーボン抵抗)

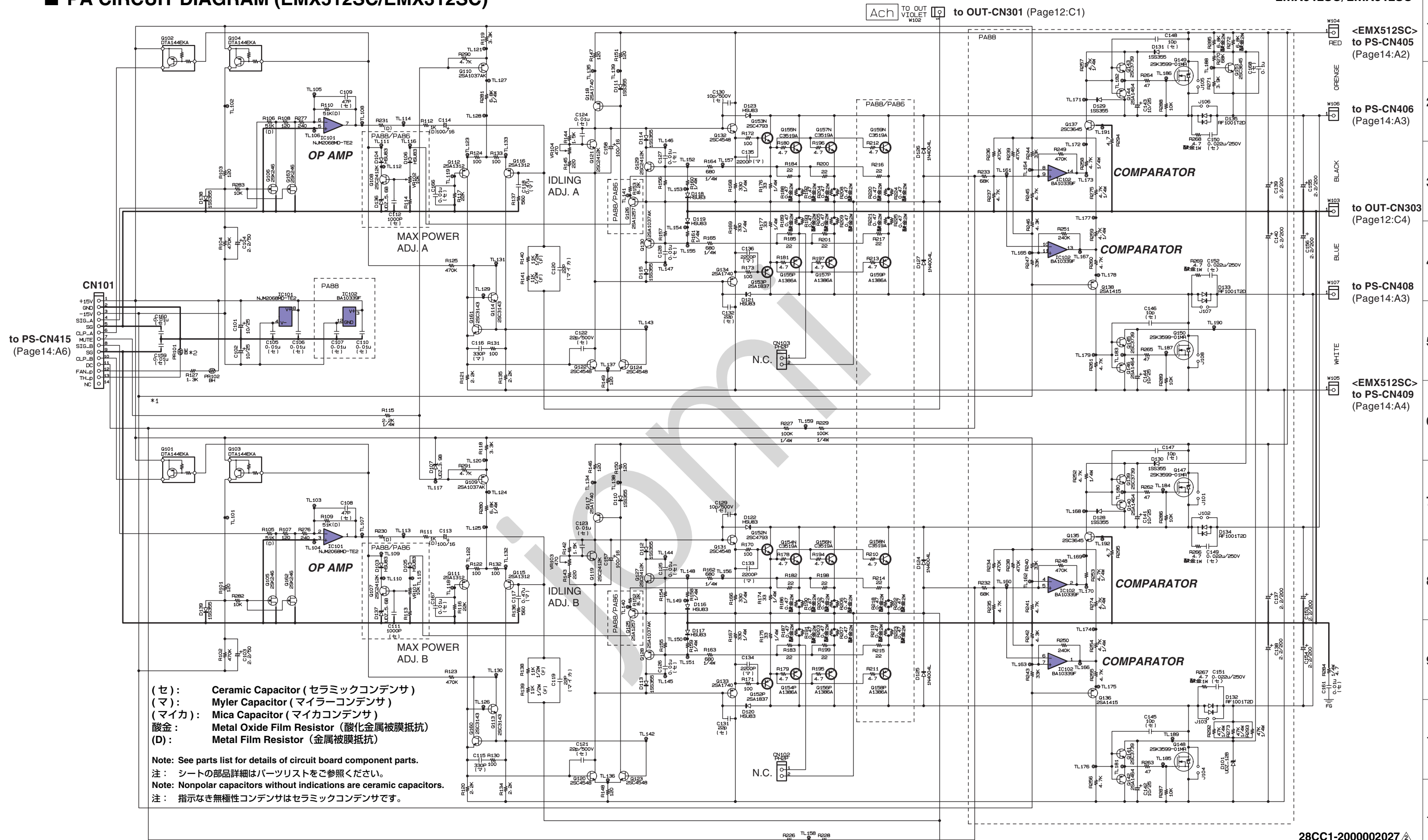
Note: See parts list for details of circuit board component parts.
注： シートの部品詳細はパーツリストをご参照ください。
Note: Nonpolar capacitors without indications are ceramic capacitors.
注： 指示なき無極性コンデンサはセラミックコンデンサです。

28CC1-2000002028

■ OUT CIRCUIT DIAGRAM (EMX512SC/EMX312SC)

PA CIRCUIT DIAGRAM (EMX512SC/EMX312SC)

EMX512SC/EMX312SC



R154, 155, 156, 157	R158, 159, 160, 161	J101-108	R230, R231	R113, R114
PA88	4.3k	24k	200	22k
PA86	-	27k	560	30k

*1:Ts=60°C(This part is fixed to Heat sink.)
 *2:Ts=90°C(This part is fixed to Heat sink.)

PA88=EMX512SC PA86=EMX312SC

Ach TO OUT VIOLET W102 to OUT-CN301 (Page12:C1)

Bch YELLOW W101 to OUT-CN302 (Page12:C3)

PA CIRCUIT DIAGRAM (EMX512SC/EMX312SC)

28CC1-2000002027

PS & SW CIRCUIT DIAGRAM (EMX512SC/EMX312SC)

EMX512SC/EMX312SC

