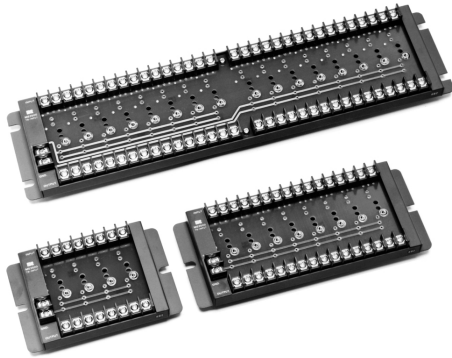




Standard Specification Sheet Model: RC3500/RC3600
Isolation Module Mounting Chassis

Models for embedded applications

OVERVIEW



This is mounting chassis for M35xx/M36xx/M37xx analog isolation modules. This model is designed for embedded applications.

- ▽ Screw terminals for all input and output connections that makes it suitable for embedded application.
- ▽ Selectable from wall mounting or DIN rail mounting models.

ORDERING INFORMATION

Ordering Code	Standard Price
RC3 00 B T B	OPEN

SPECIFICATIONS

Common

Models (Specify at ① when ordering)	<ul style="list-style-type: none"> ■ Models for mounting input isolation module ... 5 ■ Models for mounting output isolation module ... 6
Installation	Wall mounting standard DIN rail mounting optional
External Connection	M3.5 screw terminal
Module Mounting Capacity (Specify at ② when ordering)	<ul style="list-style-type: none"> ■ 16 units 16 ■ 8 units 08 ■ 4 units 04
Power Requirement	15V DC

Material

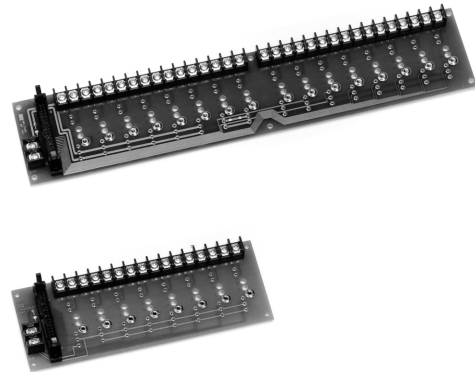
Housing	SPCC
PCB	Double-side glass fabric, epoxy resin
Screw Terminal	Nickel-plated steel
Terminal Block	PBT

Additional

Options (Specify at ③ when ordering)	<ul style="list-style-type: none"> ■ 250 Ω precision wire wound resistors installed with input terminal (only with RC3500) R1 ■ 500 Ω precision wire wound resistors installed with input terminal (only with RC3500) R2 ■ DIN rail mounting adapter installed D
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Models for shorthand data acquisition

OVERVIEW



This is mounting chassis for M35xx/M36xx/M37xx analog isolation modules. This model is designed for shorthand data acquisition.

- ▽ Low cost solution for shorthand measurement omitting steel housing.
- ▽ Flat cable connector for easy interface to A/D converter.

ORDERING INFORMATION

Ordering Code	Standard Price
RC3500 B F	OPEN

SPECIFICATIONS

Common

Installation	Table-top
External Connection	Field side: M3.5 screw terminal Computer side: 34-pin flat cable connector
Module Mounting Capacity (Specify at ① when ordering)	<ul style="list-style-type: none"> ■ 16 units 16 ■ 8 units 08 ■ 4 units 04
Power Requirement	15V DC

Material

PCB	Double-side glass fabric, epoxy resin
Screw Terminal	Nickel-plated steel
Terminal Block	PBT

Models for instrumentation

OVERVIEW



This is mounting chassis for M35xx/M36xx/M37xx analog isolation modules. This model is designed for instrumentation.

- ▽ The same model can be used for 19 inch rack mounting and wall mounting. (DIN rail mounting option is also available.)
- ▽ Variety of power options
- ▽ Two type of wiring methods are available for computer side: Screw terminals for discrete connection and connector for concentrated connection.

ORDERING INFORMATION

Ordering Code	Standard Price
RC3 00	OPEN

SPECIFICATIONS

Common

Models (Specify at ① when ordering)	<ul style="list-style-type: none"> ■ Models for mounting input isolation module ...5 ■ Models for mounting output isolation module ...6
Installation (Specify at ② when ordering)	<ul style="list-style-type: none"> ■ DIN rail mounting D ■ Wall and rack mounting R
External Connection (Specify at ④ when ordering)	<ul style="list-style-type: none"> ■ Field side: M3.5 screw terminal C1 Computer side: 37pin D-sub connector ■ Field side: M3.5 screw terminal C2 Computer side: 2 × 26pin AMP half-pitch connector ■ Field side: M3.5 screw terminal TB Computer side: M3.5 screw terminal
Module Mounting Capacity (Specify at ③ when ordering)	<ul style="list-style-type: none"> ■ 16 units 16 ■ 8 units 08
Power Requirement (Specify at ⑤ when ordering)	<ul style="list-style-type: none"> ■ 100V AC A1 ■ 24V DC D1 ■ 15V DC (with isolation) D2 ■ 15V DC (without isolation) D3

Material

Housing	SPCC
PCB	Double-side glass fabric, epoxy resin
Screw Terminal	Nickel-plated steel
Terminal Block	PBT

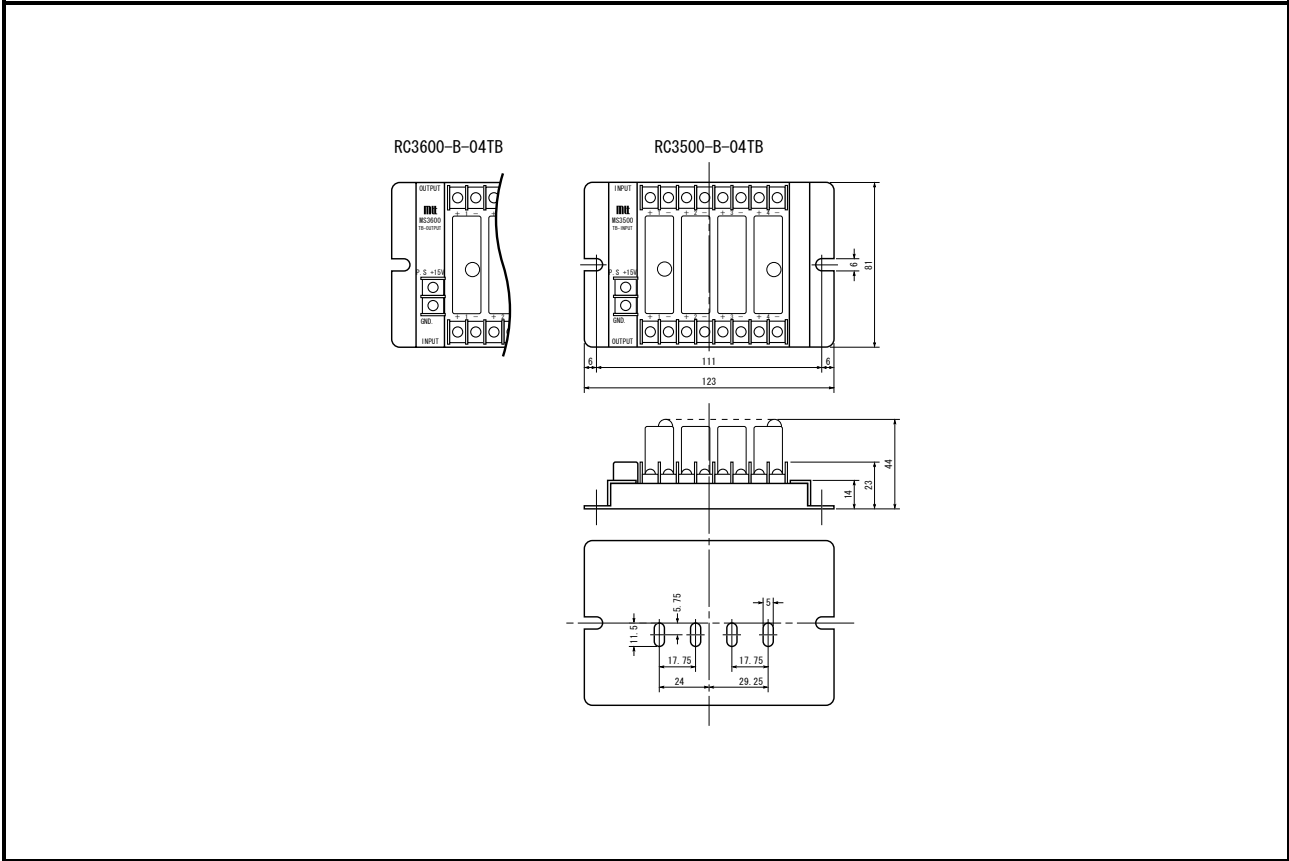
Additional

Options (Specify at ⑥ when ordering)	<ul style="list-style-type: none"> ■ 250 Ω precision wire wound resistors installed with input terminal (only with RC3500) R1 ■ 500 Ω precision wire wound resistors installed with input terminal (only with RC3500) R2
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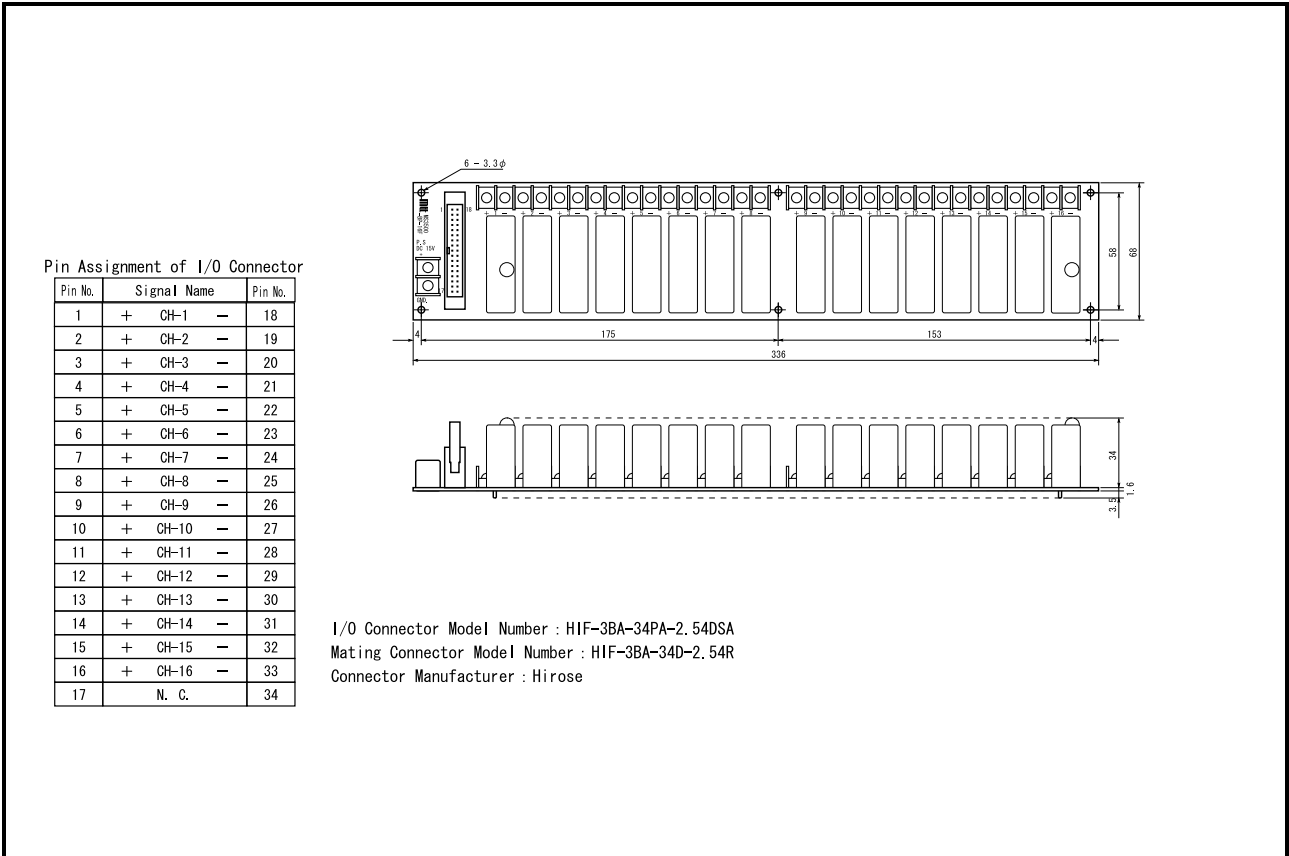


DIMENSIONAL DRAWINGS

RC3500-B-04TB / RC3600-B-04TB



RC3500-B-16F



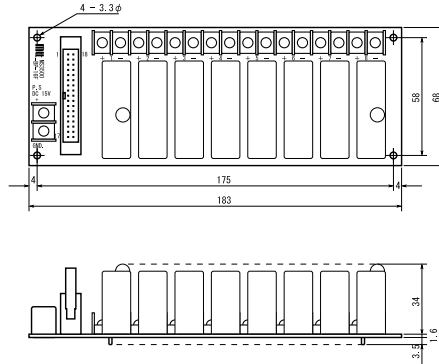


DIMENSIONAL DRAWINGS

RC3500-B-08F

Pin Assignment of I/O Connector

Pin No.	Signal Name	Pin No.
1	+ CH-1 -	18
2	+ CH-2 -	19
3	+ CH-3 -	20
4	+ CH-4 -	21
5	+ CH-5 -	22
6	+ CH-6 -	23
7	+ CH-7 -	24
8	+ CH-8 -	25
9	N. C.	26
10	N. C.	27
11	N. C.	28
12	N. C.	29
13	N. C.	30
14	N. C.	31
15	N. C.	32
16	N. C.	33
17	N. C.	34

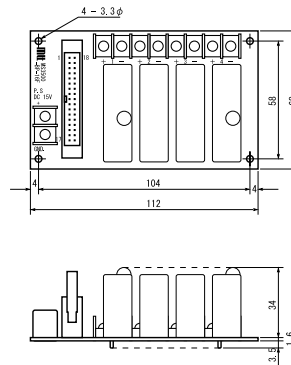


I/O Connector Model Number : HIF-3BA-34PA-2.54DSA
 Mating Connector Model Number : HIF-3BA-34D-2.54R
 Connector Manufacturer : Hirose

RC3500-B-04F

Pin Assignment of I/O Connector

Pin No.	Signal Name	Pin No.
1	+ CH-1 -	18
2	+ CH-2 -	19
3	+ CH-3 -	20
4	+ CH-4 -	21
5	N. C.	22
6	N. C.	23
7	N. C.	24
8	N. C.	25
9	N. C.	26
10	N. C.	27
11	N. C.	28
12	N. C.	29
13	N. C.	30
14	N. C.	31
15	N. C.	32
16	N. C.	33
17	N. C.	34

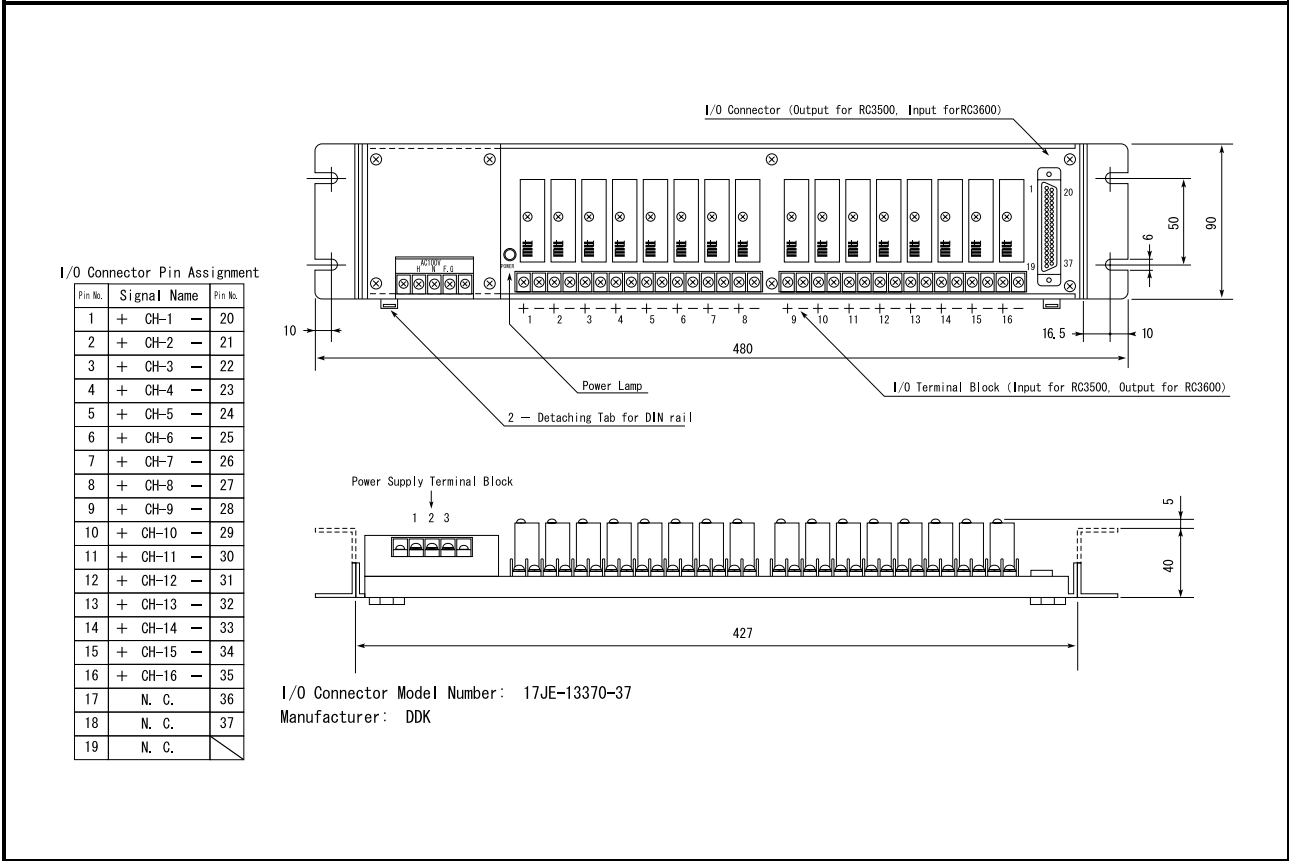


I/O Connector Model Number : HIF-3BA-34PA-2.54DSA
 Mating Connector Model Number : HIF-3BA-34D-2.54R
 Connector Manufacturer : Hirose

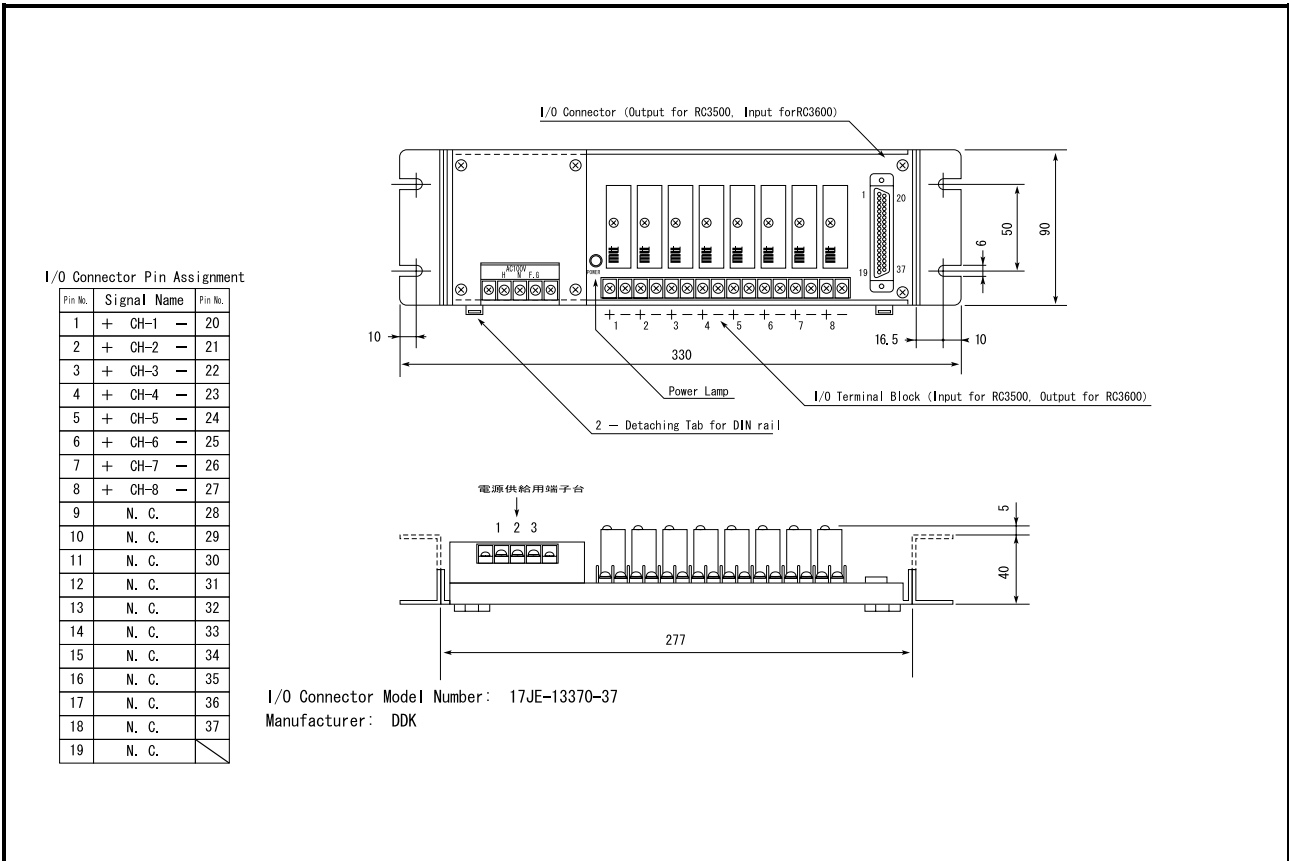


DIMENSIONAL DRAWINGS

RC3500-X-16C1 / RC3600-X-16C1



RC3500-X-08C1 / RC3600-X-08C1





DIMENSIONAL DRAWINGS

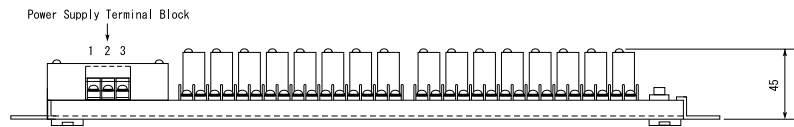
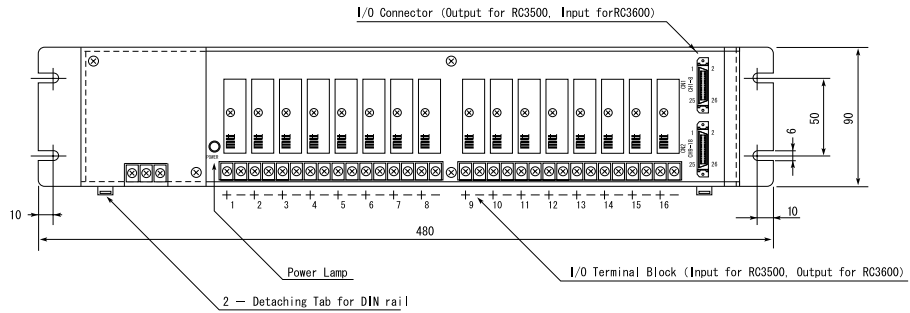
RC3500-X-16C2 / RC3600-X-16C2

I/O Connector Pin Assignment (CN1)

Pin No.	Signal Name	Pin No.
1	G	CH1+
2		
3	CH1-	G
4		
5	CH2+	CH2-
6		
7	G	CH3+
8		
9	CH3-	G
10		
11	CH4+	CH4-
12		
13	G	CH5+
14		
15	CH5-	G
16		
17	CH6+	CH6-
18		
19	G	CH7+
20		
21	CH7-	G
22		
23	CH8+	CH8-
24		
25	F. G	F. G
26		

I/O Connector Pin Assignment (CN2)

Pin No.	Signal Name	Pin No.
1	G	CH9+
2		
3	CH9-	G
4		
5	CH10+	CH10-
6		
7	G	CH11+
8		
9	CH11-	G
10		
11	CH12+	CH12-
12		
13	G	CH13+
14		
15	CH13-	G
16		
17	CH14+	CH14-
18		
19	G	CH15+
20		
21	CH15-	G
22		
23	CH16+	CH16-
24		
25	F. G	F. G
26		



I/O Connector Model No. : 175925-4
 Mating Connector Model No. : 2-175677-4
 Manufacturer: AMP