

Released Engineering Change Notice

Product	iDR-64
Title	PSU cooling improvements
Date	22/07/2010

Details Of Change
<p>Change of resistor values in fan control circuit. R38=220R, R46=NF, R75=220R, R76=NF, R77=1M0, R80=820R, R81=330k.</p> <p>Change Fan to AM5020 (2406-KL-05W-B30), fitted using 2 x 20mm countersunk screws (AB0080) as per iDR-32/48</p> <p>Thermistor TH1 to be remotely mounted on Fan controller board on rear panel (supported using clip AK7738). Suggest black 7-strand flying leads with PVC tube cover. Sleeving may be needed to cover solder joints to thermistor legs.</p> <p>Extend melinex cover to metalwork on the intake. Allow for flange, roof and, screws. Needs screwdriver access to previously open fixing hole.</p>

Reason for change
<p>Satisfy thermal requirements of PSU up to 40degC ambient whilst maintaining noise level comparable to rear fans.</p>

This ECN supersedes ECN No.		Related ECNs
-----------------------------	--	--------------

Post Implementation Ser No		
Serial Number	Model	Date
IDR64NM-641001		

Serial Number	Model	Date

Additional Information	See next page
------------------------	---------------

Assembly	Designator	Added (y)	Deleted (y)	Moved (y)	From (y)	Part no./description	Bom Add	Bom Minus	Bom New Total	To (y)	Part no./description	Bom Add	Bom New Total
004-089	R38				Y	AC0036 RES METAL 1K2 1/4W 1%		1	2	Y	AC0018 RES CARBON 220R 1/4W 5%	2	4
004-089	R75				Y	AC0335 RES CARBON 0R (LINK)		*2	0	Y			
004-089	R46		Y			AC0082 RES CARBON 1K5 1/4W 5%		1	0				
004-089	R80				Y	AC0031 RES CARBON 1K 1/4W 5%		1	4	Y	AC0030 RES METAL 820R 1/4W 1%	1	1
004-089	R81				Y	AC0335 RES CARBON 0R (LINK)		*2	0	Y	AC0076 RES CARBON 330K 1/4W 5%	1	1
004-089		Y				AK7738 CLAMP CABLE SINGLE WIRE S/A	1		1				
004-089		Y				AH0316 *SLEEVING 1.2MM H12 HELLERMANN	0.02		0.02				
004-089		Y				AH0339 *SLEEVING PVC 4MM BLACK *SEE C	0.149		0.149				
004-089		Y				AH0010 WIRE 7/0.2 PVC BLACK	0.15		0.15				
004-090					Y	AM7819 *FAN 60X60X25 NMB 24VDC B		1	0	Y	AM5020 *FAN 60X60X15 NMB 24VDC BALL/B	1	1