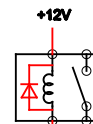


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REVISIONS				
REV	EDW	REV DESCRIPTION	DATE	APPROVED
1			5/17/2012	JT
2		CHANGED FUSE CALLOUTS AND IGN SW DIAGRAM	12/13/2012	SA
3		AUX RELAY EXAMPLES ADDED	9/27/13	SA
3		ADDITIONAL EXAMPLES ADDED	9/30/13	SA

RECOMMEND DEDICATING THIS CIRCUIT
SHARING WITH OTHER VEHICLE WIRING CAN
CAUSE FEEDBACK AND UNEXPECTED OPERATION



RELAYS WITH INTERNAL DIODES MUST HAVE THE
ANODE SIDE OF THE COIL CONNECTED TO THE ECU

TO LOWSIDE SWITCH
FROM ECU

TO EXTERNAL DEVICE

TO EXTERNAL DEVICE

VERY IMPORTANT!
ALL USER INSTALLED AUXILIARY RELAYS OR DEVICES MUST
BE POWERED BY THE OUTPUT FROM THE EFI MAIN RELAY

ALL USER INSTALLED AUXILIARY CIRCUITS SHOULD
BE PROTECTED WITH A PROPERLY SIZED FUSE
AS SHOWN

+12V_SW	Fused connection to vehicle Ignition switch (+12V in RUN/CRANK only)
+12V	Relay driven +12V power source for ECU power and auxiliary outputs
+12V_Rly_Cntrl	Switched ground from ECU connected to relay coil primary negative
+12V_Perm	Fused connection to battery positive terminal (+12V, always hot)
+5V_OUT	+5V supplied by ECU
AGND	Analog Ground used as ground points for sensors
Ground	Battery ground

FLYBACK DIODES ARE NECESSARY
FOR BEST PWM CONTROL.
SEE PINOUT SHEET FOR FLYBACK
EQUIPPED OUTPUTS

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE				
APPROVALS	DATE			
DRAWN J Tomashefsky	5/17/2012	INFINITY-10 POWER DISTRIBUTION		
CHECKED ---	--			
RESP ENG ---	--			
MFG ENG ---	--			
QUAL ENG ---	--			
		SIZE A	FILE NAME	REV. 4
		SCALE		SHEET 1 OF 1