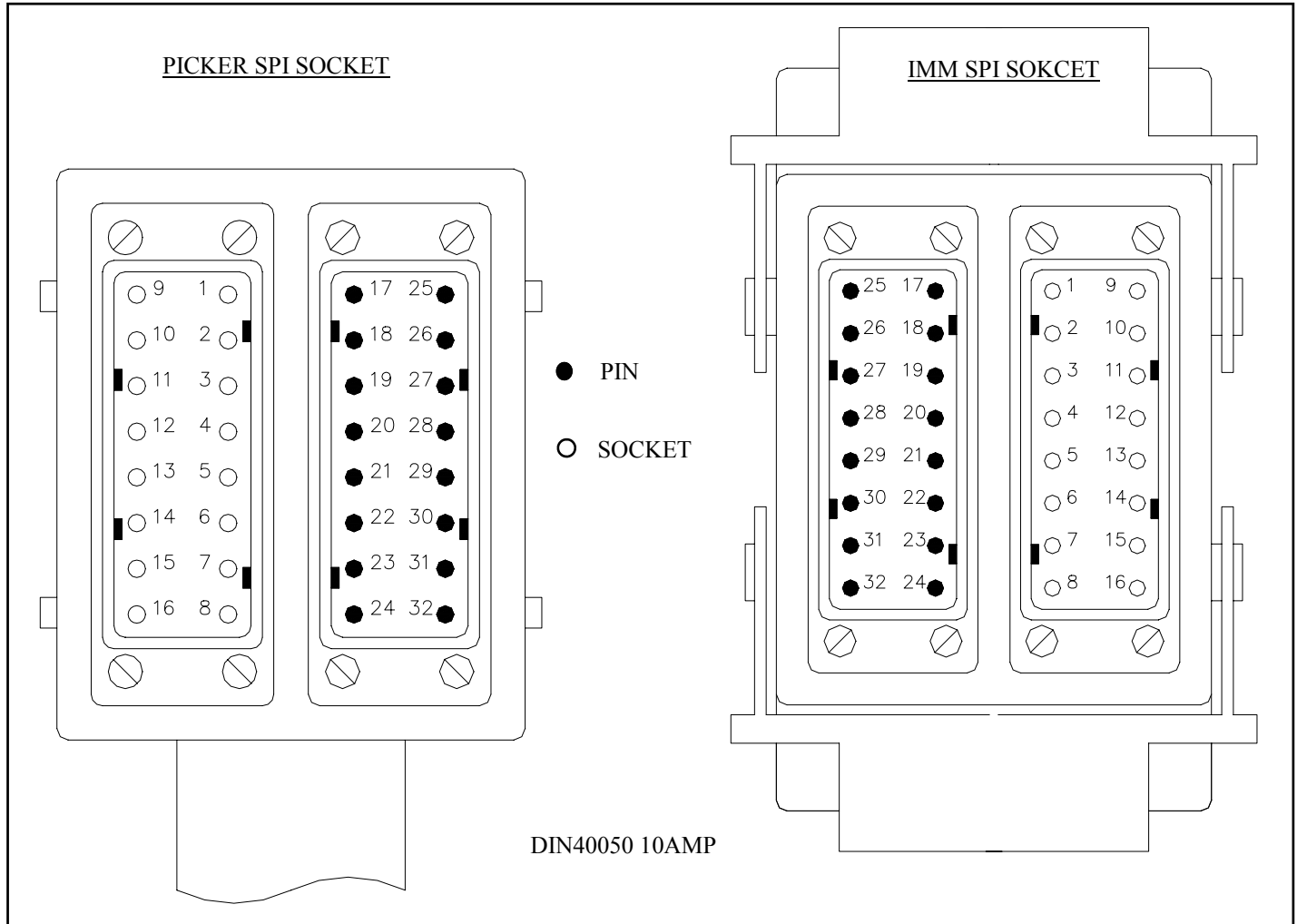


SPI INTERFACE DESCRIPTION (EUROMAP 12)



PIN#1	PIN#2	SIGNAL (FROM IMM TO ROBOT)
1	9	EMERGENCY STOP (I.M.M)
2	16	MOLD FULLY OPEN (I.M.M)
3	11	MOVABLE GATES CLOSED (I.M.M)
4	16	EJECTOR FULLY RETRACTED
5	16	EJECTOR FULLY FORWARD
6	16	CORE FULLY SET
7	16	CORE FULLY PULLED
8	16	REJECT PART
10	16	FULLY AUTOMATIC
12	16	MOLD FULLY CLOSED
15	16	NO PART AVAILABLE

PIN#1	PIN#2	SIGNAL (FROM ROBOT TO IMM)
17	32	PERMIT CLAMP CLOSE
18	26	PERMIT CLAMP MOTION
19	27	EMEGENCY STOP
20	32	ROBOT NON-OPERATIONAL
21	32	PERMIT EJECTOR RETRACT
22	32	PERMIT EJECTOR FORWARE
23	32	PERMIT CORE PULL
24	32	PERMIT CORE SET

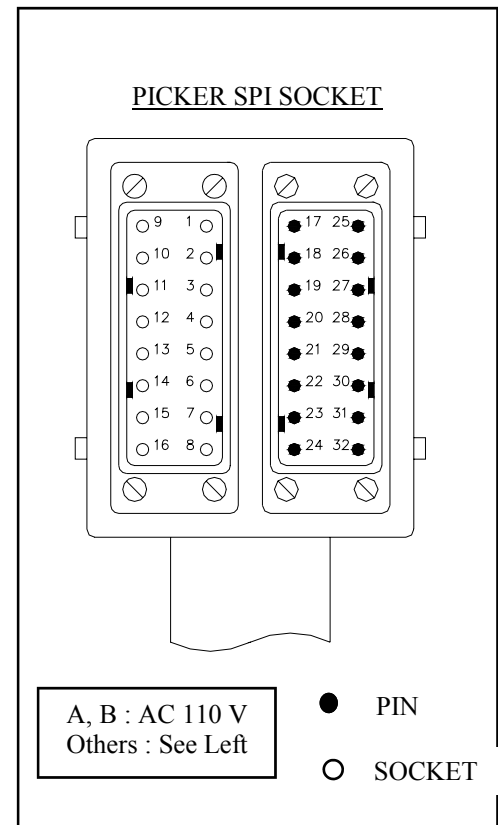
TOPIV ROBOT SPI INTERFACE WIRING PROCEDURE.

FIRST OF ALL

CONNECT 24 VOLT (RED) to C (WHITE) , C1 (RED + GREEN) , C2 (PURPLE) , Secure the wires.

SPI PIN	TOP PIN	SPI PIN	TOP PIN	SIGNAL (FROM IMM TO ROBOT)
1	ED Green + Yellow	9	EC Yellow + Red	EMERGENCY STOP (I.M.M)
2	F Gray	16	OV Pink	MOLD FULLY OPEN (I.M.M)
3	E Yellow	11	OV Pink	MOVABLE GATES CLOSED (I.M.M)
4		16		EJECTOR FULLY RETRACTED
5		16		EJECTOR FULLY FORWARD
6		16		CORE FULLY SET
7		16		CORE FULLY PULLED
8	REJ Yellow + Black	16	OV Pink	REJECT PART
10	R(REJ) Red + Black	16	OV Pink	FULLY AUTOMATIC
12	D Orange	16	OV Pink	MOLD FULLY CLOSED
15		16		NO PART AVAILABLE

SPI PIN	TOP PIN	SPI PIN	TOP PIN	SIGNAL (FROM ROBOT TO IMM)
17 (1)	L Green + White	32 (16)	K Green	PERMIT CLAMP CLOSE
18 (2)	●	26 (10)	●	PERMIT CLAMP MOTION
19 (3)	EB RED + WHITE	27 (11)	EA WHITE + RED	EMERGENCY STOP
20 (4)		32 (16)		ROBOT NON-OPERATIONAL
21 (5)	●	32 (16)	●	PERMIT EJECTOR RETRACT
22 (6)	N Blue + White	32 (16)	M Blue	PERMIT EJECTOR FORWARD
23 (7)	●	32 (16)	●	PERMIT CORE PULL
24 (8)	●	32 (16)	●	PERMIT CORE SET



Jumper ● ——— ●

ROBOT INTERLOCK WITH SPI SETTING.

TURN ON THE ROBOT PRESSED **ENTER** KEY, IT WILL SHOW INITIAL SETTING.
CHANGE SOME OPTION (AUTO, REJECT, SAFETY DOOR) FROM NO USE TO USE FOR SPI.

PRESSED STOP KEY WILL SEND YOU TO MANUAL KEY. SEE MANULA FOR OPERATION

After installation, please follow interlock testing procedure in manual.

If have any problem for TOPIV IMM Interlock, contact Sam Lee , Tel : 636-578-6059, Email : hanrobotic@msn.com

E. Interlock and EMO Control Circuit

