CHAPTER

22

AUTOFLIGHT

CHAPTER 22
AUTOFLIGHT

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22–EFFECTIVE PAGES				
		1 thru 3		Aug 05/2009
		4		BLANK
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22–ALPHABETICAL INDEX				
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		101		Jan 21/2005
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		101	1	Mar 09/2006
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			4	Jan 21/2005
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22-10-04				
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22-21-00				
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A = Added, R = Revised, D = Deleted, O = Overflow

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		101		Jan 21/2005
22-30-01				
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22-32-01				
		101		Jan 21/2005
		102		Jan 21/2005
22-33-01				
		101		Jan 21/2005

A = Added, R = Revised, D = Deleted, O = Overflow

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22-41-01				
		101	1	Jan 21/2005
			2	Jan 21/2005

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A = Added, R = Revised, D = Deleted, O = Overflow

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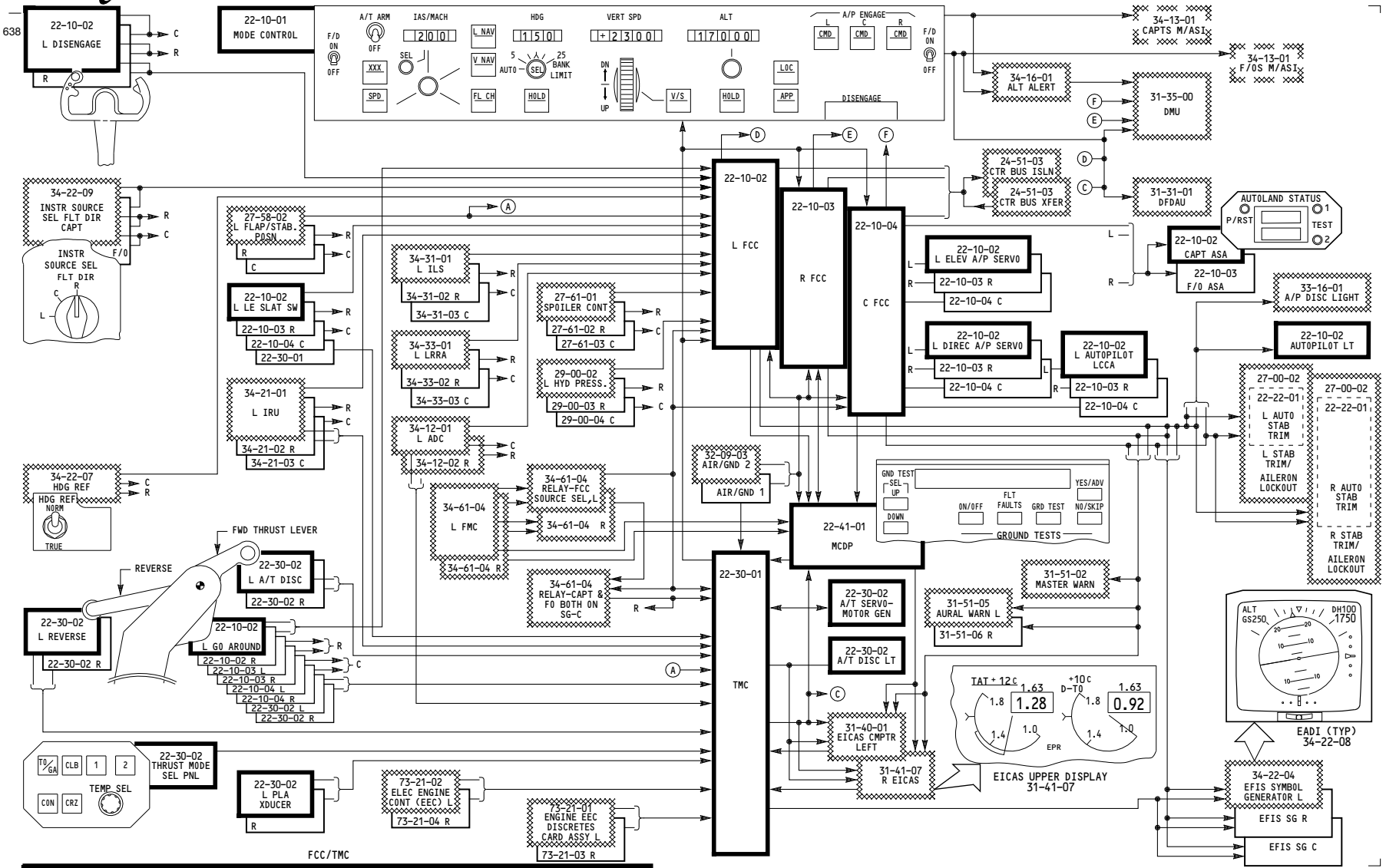
AUTOFLIGHT

CH-SC-SU	Title

22-ALPHABETICAL INDEX



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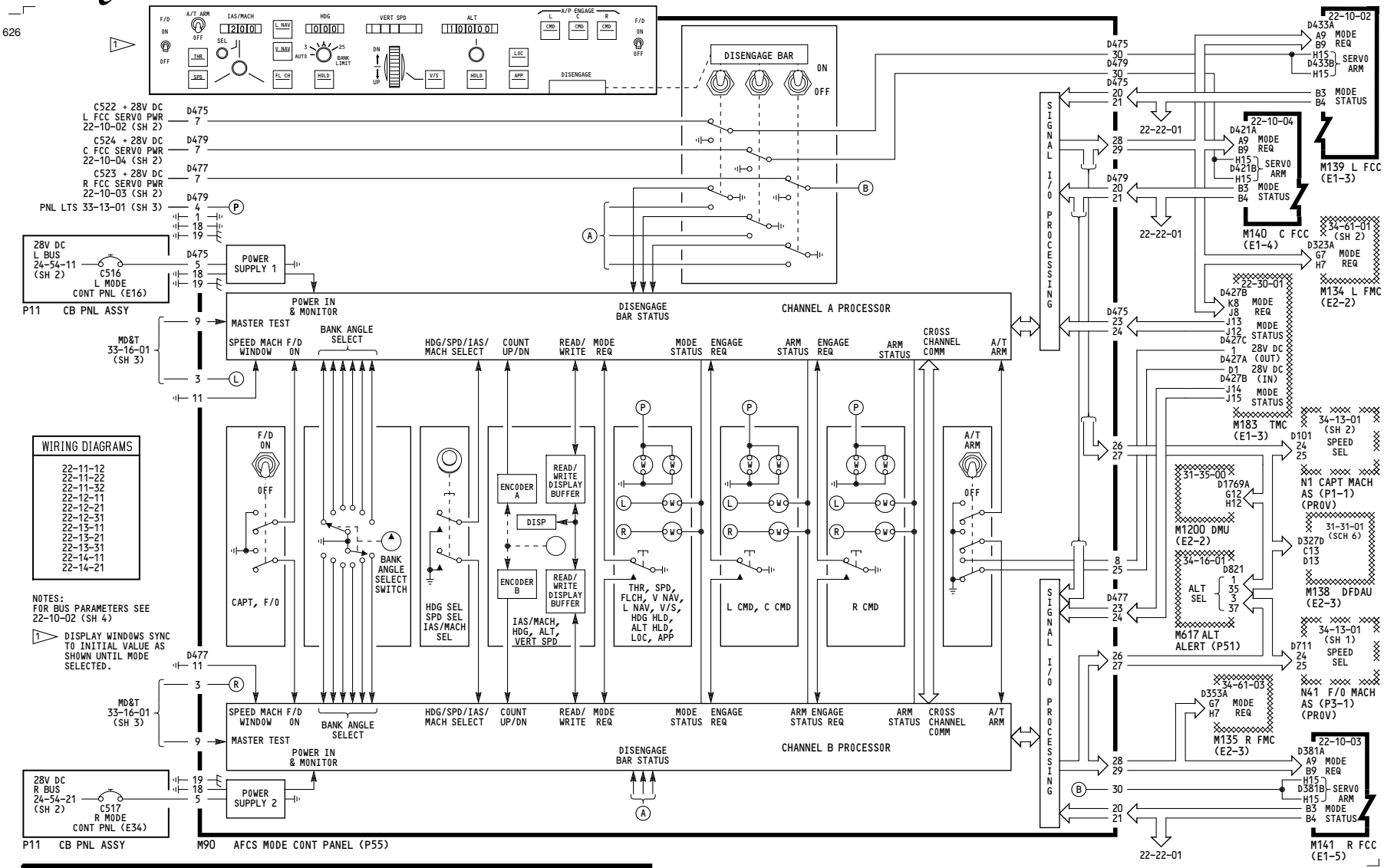
AUTOFLIGHT-SIMPLIFIED

D280T232

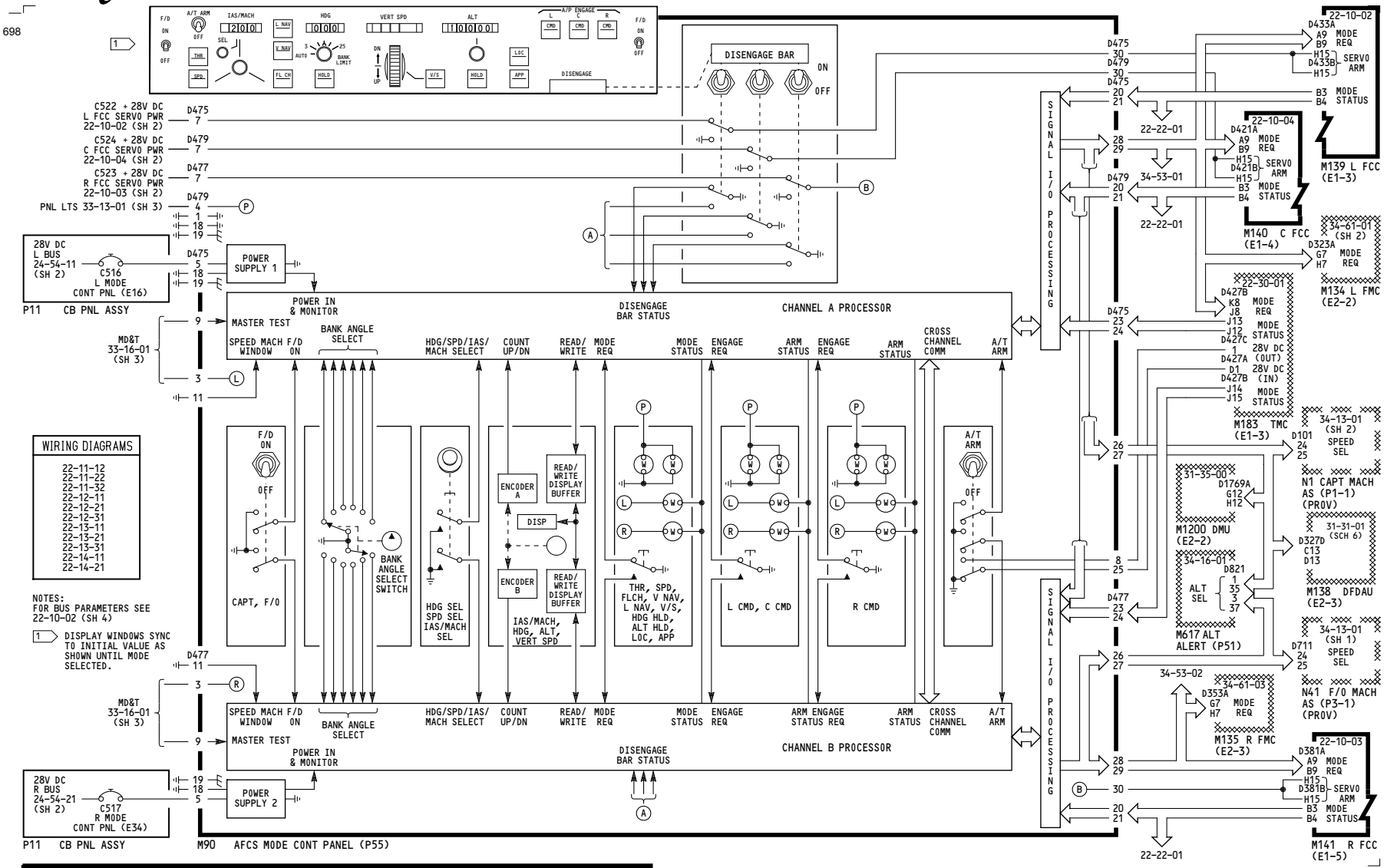
22-00-00



050-099, 150-199

AUTOMATIC FLIGHT CONTROL SYSTEM MODE CONTROL PANEL

D280T232



275-280

AUTOMATIC FLIGHT CONTROL SYSTEM MODE CONTROL PANEL

D280T232

Incorporates
ECO EB34-0360-02

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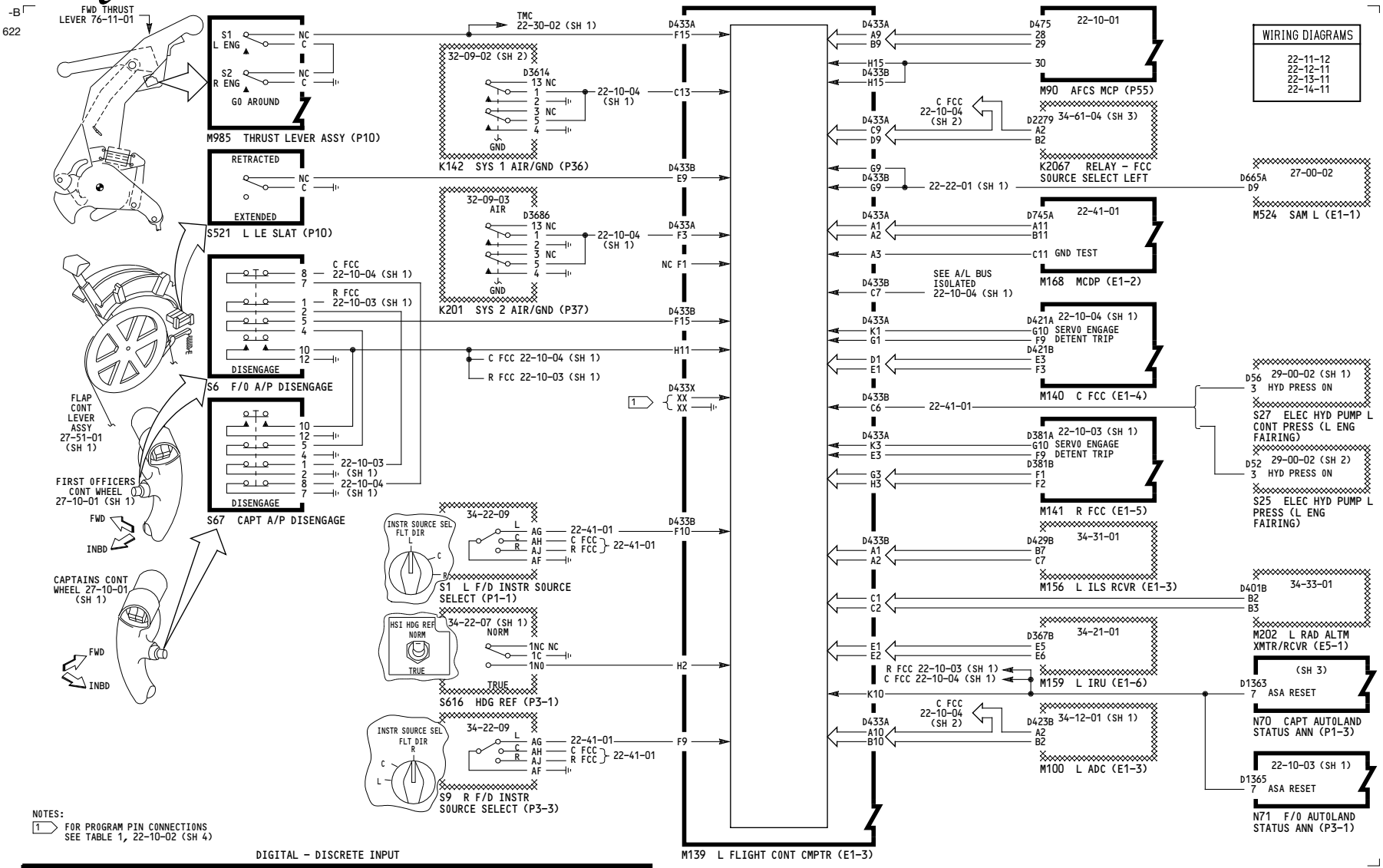

050-099

FLIGHT CONTROL COMPUTER INTERFACE-LEFT

D280T232

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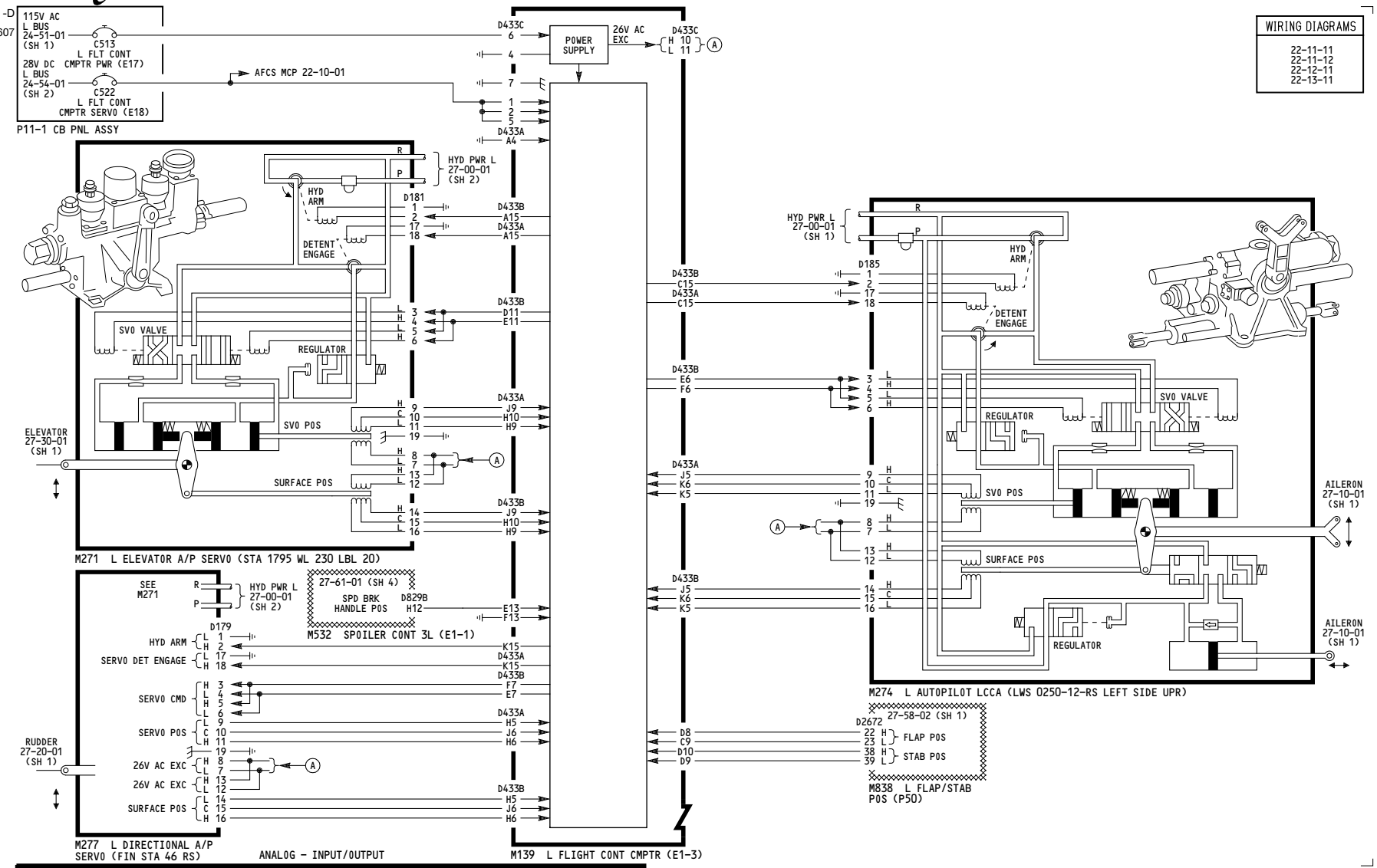

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FLIGHT CONTROL COMPUTER INTERFACE-LEFT

D280T232

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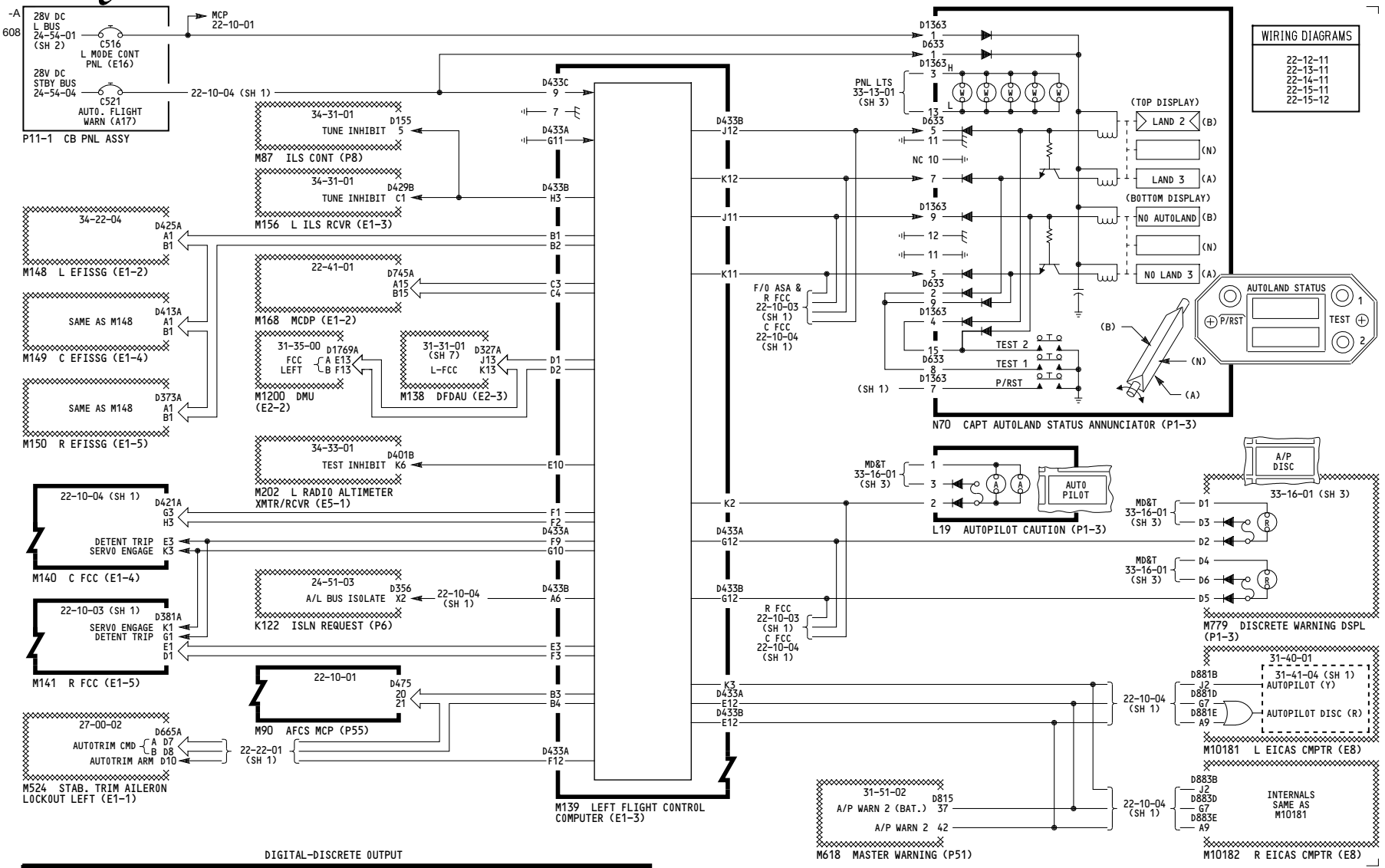


DIGITAL-DISCRETE OUTPUT

050-099

FLIGHT CONTROL COMPUTER INTERFACE-LEFT

D280T232

22-10-02

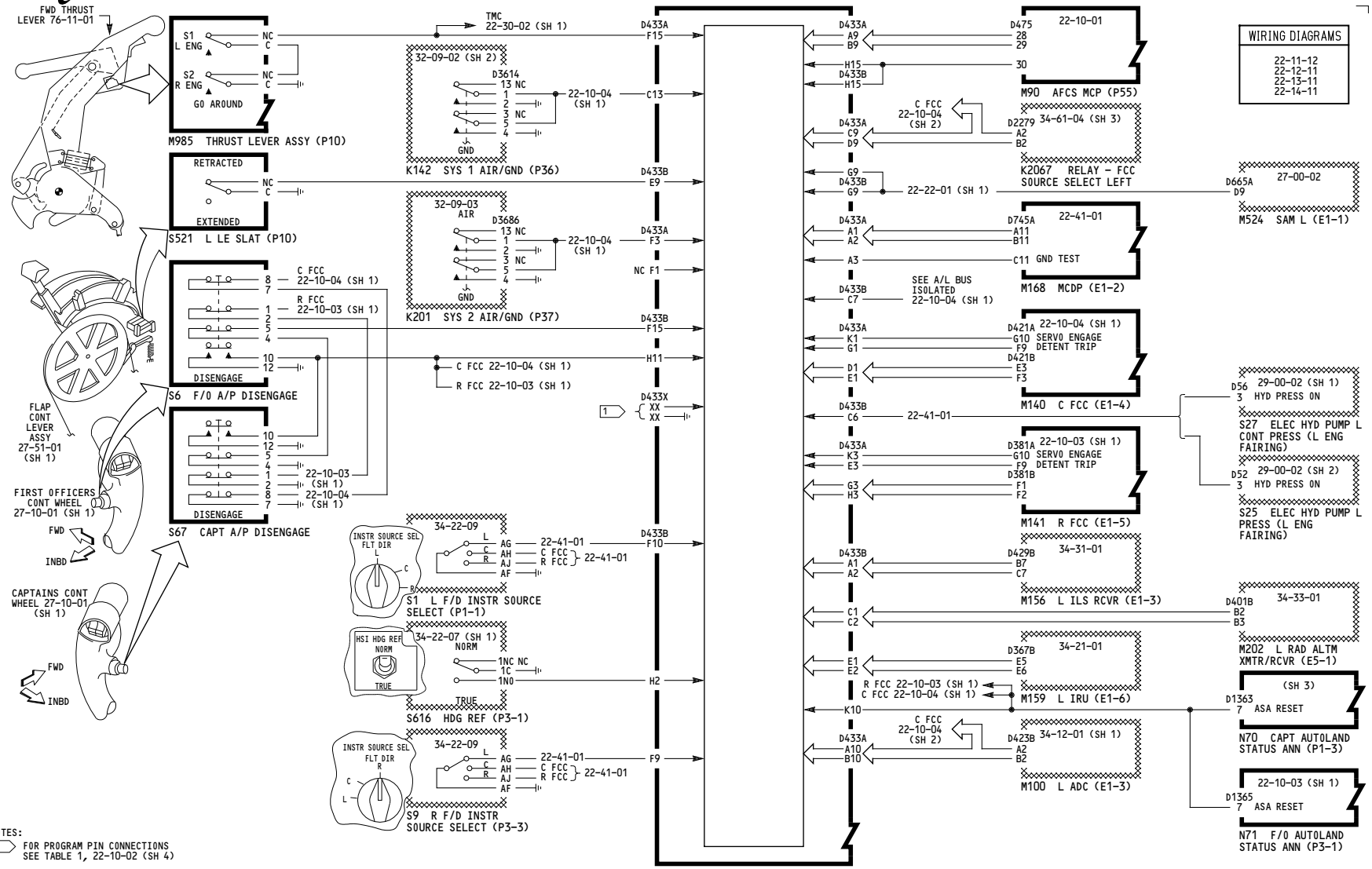
RCVR	XMTR	PARAMETERS
FCC	MCP	MODE STATUS, REQ MODES, ALT SELECTED HDG SELECTED MACH SELECTED, MCP MAINT DATA AIRSPEED SELECTED, TEST WORD, VERT SPD, CMD, VERT SPD SELECTED
FCC	MCDP	TEST CONTROL (12 WORDS)
FCC	FCC	AIL CMD, ALONG TK HRZ ACCEL, ALT, ALT REF, LATERAL ACCEL, LONGIT ACCEL, NORMAL ACCEL, PITCH RATE, ROLL RATE, YAW RATE, COMPUTED AIRSPEED, CROSS TK HRZ ACCEL, DISCRETE WORD, ELEV CMD, FLAP POS, FLT PATH ACCEL, G/S DEV, GND SPEED, HDG REF, HORIZONTAL STEERING, IMPACT PRESSURE, INDICATED AOA, INERTIAL ALT, INERTIAL VERT SPD, INPUT DISC PCKD WD, LOC DEV, MACH MAG HDG, PITCH ANGLE, RADIO HEIGHT ROLL ANGLE, RUDDER CMD, SEL RUNWAY HDG, STAB POS, TEST WORD, TRUE TRACK ANGLE, MAG TRACK ANGLE, TRUE AIRSPEED, TRUE HDG, VERT STEERING RATE, VERT ACCEL, VERT STEERING
FCC	IRU	ALONG TK HRZ ACCEL, LATERAL ACCEL, LONGIT ACCEL, NORMAL ACCEL, PITCH RATE, ROLL RATE, YAW RATE, CROSS TK HRZ ACCEL, FLT PATH ACCEL, GND SPEED, INERTIAL ALT, INERTIAL VERT SPD, IRS DISCRETES, MAG HDG, PITCH ANGLE, PITCH ATT RATE, ROLL ANGLE, TRUE TRACK ANGLE, MAG TRACK ANGLE, TRUE HDG, VERT ACCEL
FCC	ILS	G/S DEV, ILS FREQ, LOC DEV, SEL RUNWAY HDG
FCC	RA	RADIO HEIGHT
FCC	FMC	FMC DISCRETES, HORIZONTAL STEERING, AIRSPEED SELECTED, ALT SELECTED, MACH SELECTED, VERT STEERING RATE, VERT STEERING
FCC	ADC	ALT, ALT RATE, COMPUTED AIRSPEED, IMPACT PRESSURE, INDICATED AOA, MACH, MAX OPRTG SCHEDULE, TRUE AIRSPEED

RCVR	XMTR	PARAMETERS
MCP	FCC	MODE STATUS, COMPUTED AIRSPEED, ELEV SPD CMD, FLAP POS, FMC AIRSPEED REF MACH, SEL RUNWAY HDG, SPD BRK HDL POS, STAB POS, TEST WORD, VERT SPD
MCP	TMC	MODE STATUS, VERT SPEED CMD
MCDP	FCC	FAULT DATA, GND TEST DATA, INTERFACE FAULT DATA, TEST WORD
SAM	FCC	MODE STATUS
EFISSG	FCC	MODE STATUS, FLT DIR PITCH, FLT DIR ROLL, HDG SELECTED, RUNWAY DIST TO GO
DFDAU	FCC	MODE STATUS
DMU	FCC	MODE STATUS
TMC	MCP	MODE STATUS, REQ MODES, ALT SELECTED, ELEV SPD CMD, MACH SELECTED, SPD BRK HDL POS, AIRSPEED SELECTED, STAB POS
FMC	MCP	MODE STATUS, REQ MODES, ALT SELECTED, FLAP POS, HDG SELECTED, MACH SELECTED, AIRSPEED SELECTED, VERT SPD SELECTED
ALT ALERT	MCP	MODE STATUS, ALT SELECTED
M/ASI	MCP	AIRSPEED SELECTED
DFDAU	MCP	ALT SELECTED,HDG SELECTED, MACH SELECTED, AIRSPEED SELECTED, VERT SPD SELECTED
DMU	MCP	DLT SELECTED, HDG SELECTED, MACH SELECTED, AIRSPEED SELECTED, VERT SPD SELECTED

TABLE 1 FCC PROGRAM PINS (767-300ER IGW)

PROGRAM AS CONNECTED	OPTION PIN	GND PIN	L (X = GNDD)	C (X = GNDD)	R (X = GNDD)
CUSTOMER OPTION 1	BA12	BB15	X	X	X
CUSTOMER OPTION 2	BB12	BD15	X	X	X
CUSTOMER OPTION 3	BC12	BE5			
CUSTOMER OPTION 4	BA13	BA14			
CUSTOMER OPTION 5	BB13	BB14			
A/P MODE ENGAGE	BA3	BE4	X	X	X
DOUBLE PUSH WARN RESET	BH13	BJ14			
FULL TIME NO LAND ANN	BK13	BK14	X	X	X
METHOD 2 MULTI-CHAN ENGA	BG13	BH14			
ASA OPTION	BC8	BE8			
LAT CMD ENGA	BC10	BC14			
CWS INHIBIT	BJ2	BJ4	X	X	X
FULL TIME F/D	BD3	BK4	X	X	X
F/D AUTO ON	BA4	AD4	X	X	X
F/D ON ROLLOUT	BD4	BH4			
SPARE 5	BG1	AG2			
SPARE 6	BH1	AH2			

PROGRAM AS CONNECTED	OPTION PIN	GND PIN	L (X = GNDD)	C (X = GNDD)	R (X = GNDD)
AIRPLANE CONFIG (400K MTOW) 1	AA12	AA11			
AIRPLANE CONFIG (400K MTOW) 2	AB12	AB11	X	X	X
AIRPLANE CONFIG (400K MTOW) 3	AC12	AC11	X	X	X
AIRPLANE CONFIG (400K MTOW) 4	BA11	BG8			
AIRPLANE CONFIG (400K MTOW) 5	BB11	BH8			
INTERLOCK CODE 1	BC11	BJ8			
INTERLOCK CODE 2	BF11	BK9			
INTERLOCK CODE 3	BD12	BD15			
INTERLOCK CODE 4	BF12	BK7			
INTERLOCK CODE 5	BH12	BJ15			
CHANNEL IDENTITY PARITY (ODD) 1	AA13	AA14	X	X	
CHANNEL IDENTITY PARITY (ODD) 2	AB13	AB14		X	X
CHANNEL IDENTITY PARITY (ODD)	BC13	BF4	X		X
SPARES (NO PARITY) 7	BG2	AG4			
SPARES (NO PARITY) 10	BD7	BG4			
SPARES (NO PARITY) 13	BG10	AG8			



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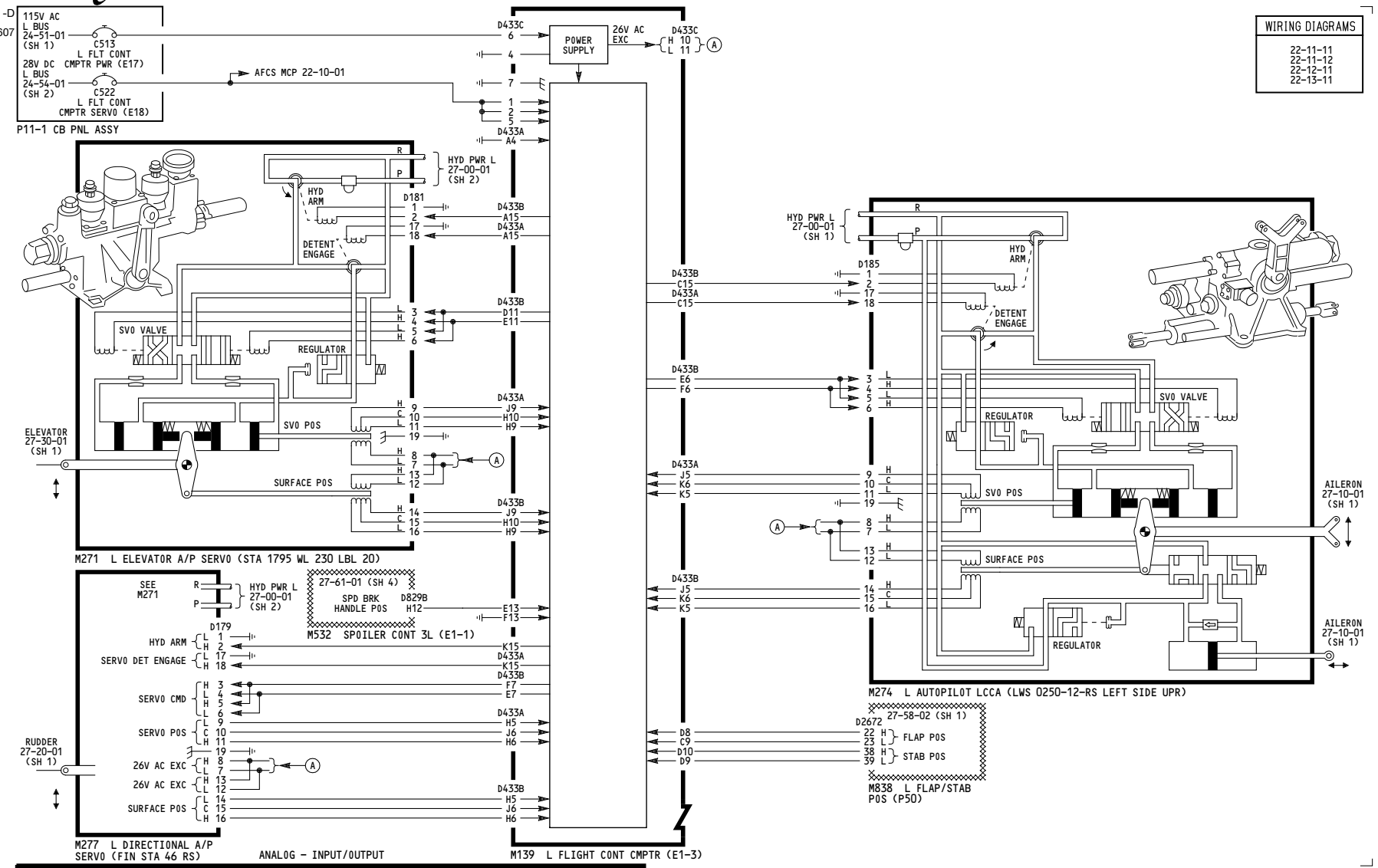
FLIGHT CONTROL COMPUTER INTERFACE-LEFT

D280T232



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FLIGHT CONTROL COMPUTER INTERFACE-LEFT

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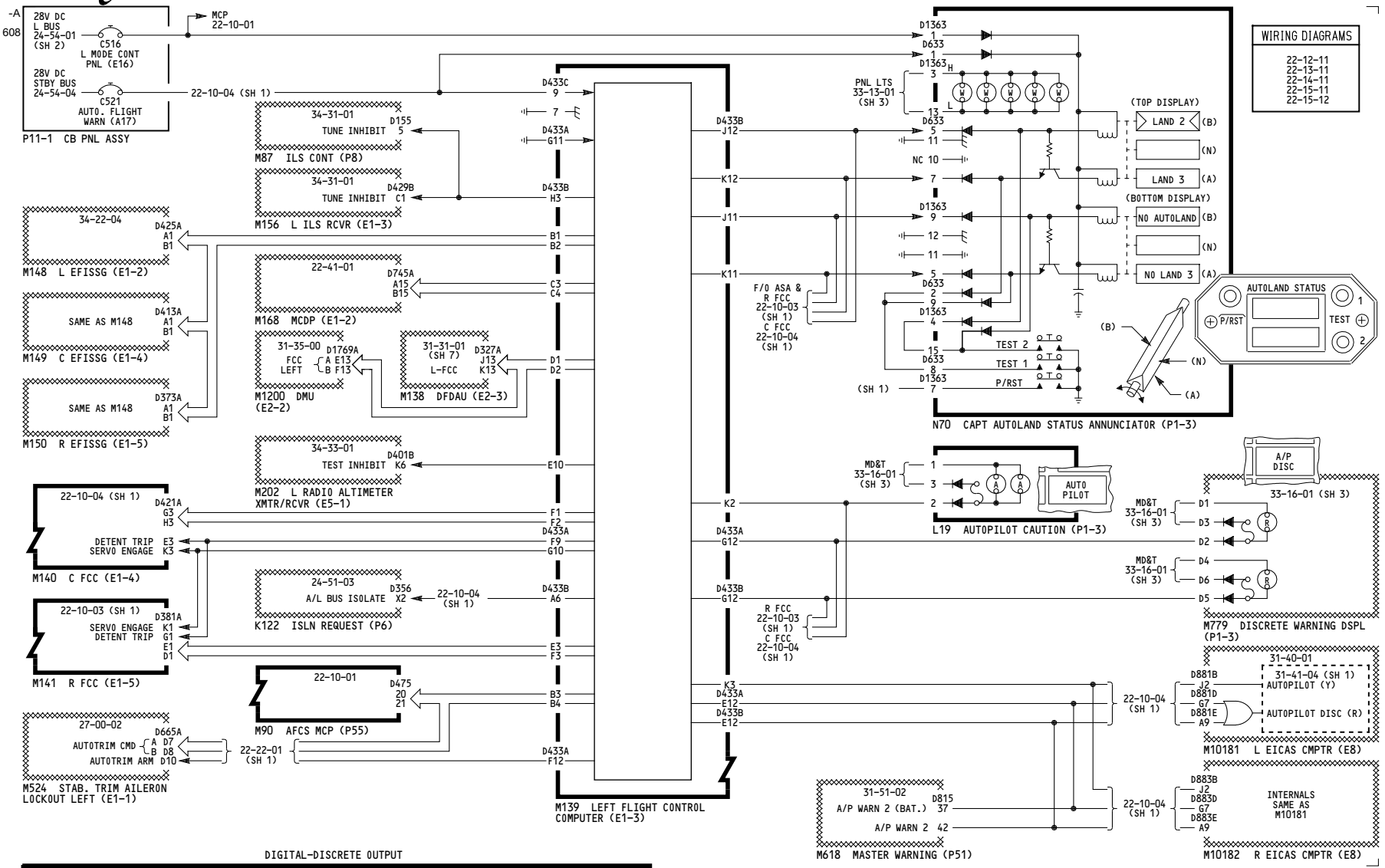


DIGITAL-DISCRETE OUTPUT

050-051

FLIGHT CONTROL COMPUTER INTERFACE-LEFT

D280T232

22-10-02

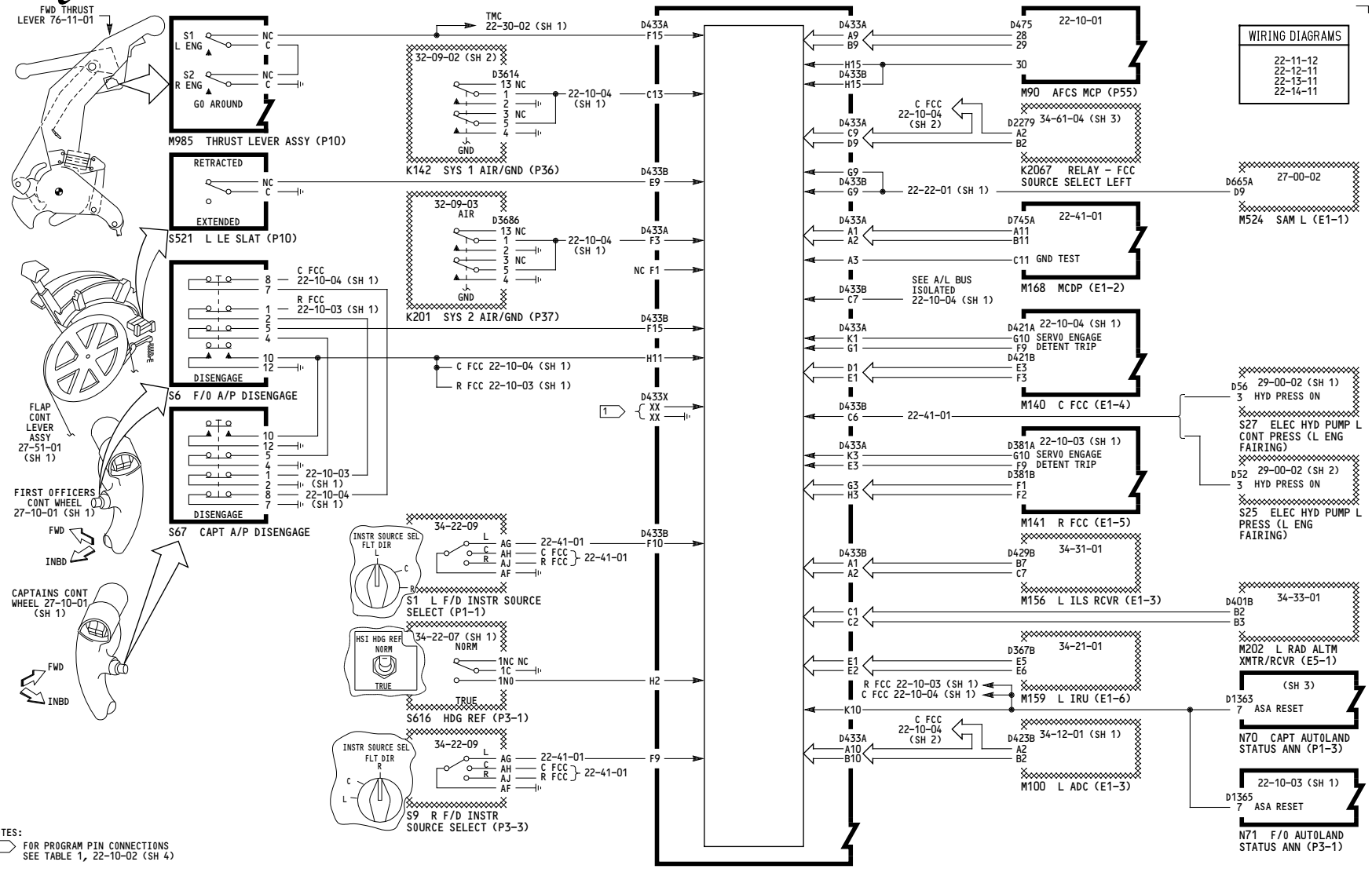
RCVR	XMTR	PARAMETERS
FCC	MCP	MODE STATUS, REQ MODES, ALT SELECTED HDG SELECTED MACH SELECTED, MCP MAINT DATA AIRSPEED SELECTED, TEST WORD, VERT SPD, CMD, VERT SPD SELECTED
FCC	MCDP	TEST CONTROL (12 WORDS)
FCC	FCC	AIL CMD, ALONG TK HRZ ACCEL, ALT, ALT REF, LATERAL ACCEL, LONGIT ACCEL, NORMAL ACCEL, PITCH RATE, ROLL RATE, YAW RATE, COMPUTED AIRSPEED, CROSS TK HRZ ACCEL, DISCRETE WORD, ELEV CMD, FLAP POS, FLT PATH ACCEL, G/S DEV, GND SPEED, HDG REF, HORIZONTAL STEERING, IMPACT PRESSURE, INDICATED AOA, INERTIAL ALT, INERTIAL VERT SPD, INPUT DISC PCKD WD, LOC DEV, MACH MAG HDG, PITCH ANGLE, RADIO HEIGHT ROLL ANGLE, RUDDER CMD, SEL RUNWAY HDG, STAB POS, TEST WORD, TRUE TRACK ANGLE, MAG TRACK ANGLE, TRUE AIRSPEED, TRUE HDG, VERT STEERING RATE, VERT ACCEL, VERT STEERING
FCC	IRU	ALONG TK HRZ ACCEL, LATERAL ACCEL, LONGIT ACCEL, NORMAL ACCEL, PITCH RATE, ROLL RATE, YAW RATE, CROSS TK HRZ ACCEL, FLT PATH ACCEL, GND SPEED, INERTIAL ALT, INERTIAL VERT SPD, IRS DISCRETES, MAG HDG, PITCH ANGLE, PITCH ATT RATE, ROLL ANGLE, TRUE TRACK ANGLE, MAG TRACK ANGLE, TRUE HDG, VERT ACCEL
FCC	ILS	G/S DEV, ILS FREQ, LOC DEV, SEL RUNWAY HDG
FCC	RA	RADIO HEIGHT
FCC	FMC	FMC DISCRETES, HORIZONTAL STEERING, AIRSPEED SELECTED, ALT SELECTED, MACH SELECTED, VERT STEERING RATE, VERT STEERING
FCC	ADC	ALT, ALT RATE, COMPUTED AIRSPEED, IMPACT PRESSURE, INDICATED AOA, MACH, MAX OPRTG SCHEDULE, TRUE AIRSPEED

RCVR	XMTR	PARAMETERS
MCP	FCC	MODE STATUS, COMPUTED AIRSPEED, ELEV SPD CMD, FLAP POS, FMC AIRSPEED REF MACH, SEL RUNWAY HDG, SPD BRK HDL POS, STAB POS, TEST WORD, VERT SPD
MCP	TMC	MODE STATUS, VERT SPEED CMD
MCDP	FCC	FAULT DATA, GND TEST DATA, INTERFACE FAULT DATA, TEST WORD
SAM	FCC	MODE STATUS
EFISSG	FCC	MODE STATUS, FLT DIR PITCH, FLT DIR ROLL, HDG SELECTED, RUNWAY DIST TO GO
DFDAU	FCC	MODE STATUS
DMU	FCC	MODE STATUS
TMC	MCP	MODE STATUS, REQ MODES, ALT SELECTED, ELEV SPD CMD, MACH SELECTED, SPD BRK HDL POS, AIRSPEED SELECTED, STAB POS
FMC	MCP	MODE STATUS, REQ MODES, ALT SELECTED, FLAP POS, HDG SELECTED, MACH SELECTED, AIRSPEED SELECTED, VERT SPD SELECTED
ALT ALERT	MCP	MODE STATUS, ALT SELECTED
M/ASI	MCP	AIRSPEED SELECTED
DFDAU	MCP	ALT SELECTED,HDG SELECTED, MACH SELECTED, AIRSPEED SELECTED, VERT SPD SELECTED
DMU	MCP	DLT SELECTED, HDG SELECTED, MACH SELECTED, AIRSPEED SELECTED, VERT SPD SELECTED

TABLE 1 FCC PROGRAM PINS (767-300ER IGW)

PROGRAM AS CONNECTED	OPTION PIN	GND PIN	L (X = GND)	C (X = GND)	R (X = GND)
CUSTOMER OPTION 1	BA12	BB15	X	X	X
CUSTOMER OPTION 2	BB12	BD15	X	X	X
CUSTOMER OPTION 3	BC12	BE5			
CUSTOMER OPTION 4	BA13	BA14			
CUSTOMER OPTION 5	BB13	BB14			
A/P MODE ENGAGE	BA3	BE4	X	X	X
DOUBLE PUSH WARN RESET	BH13	BJ14			
FULL TIME NO LAND ANN	BK13	BK14	X	X	X
METHOD 2 MULTI-CHAN ENGA	BG13	BH14			
ASA OPTION	BC8	BE8			
LAT CMD ENGA	BC10	BC14			
CWS INHIBIT	BJ2	BJ4	X	X	X
FULL TIME F/D	BD3	BK4	X	X	X
F/D AUTO ON	BA4	AD4	X	X	X
F/D ON ROLLOUT	BD4	BH4			
SPARE 5	BG1	AG2			
SPARE 6	BH1	AH2			

PROGRAM AS CONNECTED	OPTION PIN	GND PIN	L (X = GND)	C (X = GND)	R (X = GND)
AIRPLANE CONFIG (400K MTOW) 1	AA12	AA11			
AIRPLANE CONFIG (400K MTOW) 2	AB12	AB11	X	X	X
AIRPLANE CONFIG (400K MTOW) 3	AC12	AC11	X	X	X
AIRPLANE CONFIG (400K MTOW) 4	BA11	BG8			
AIRPLANE CONFIG (400K MTOW) 5	BB11	BH8			
INTERLOCK CODE 1	BC11	BJ8			
INTERLOCK CODE 2	BF11	BK9	X	X	X
INTERLOCK CODE 3	BD12	BD14			
INTERLOCK CODE 4	BF12	BK7			
INTERLOCK CODE 5	BH12	BJ15			
CHANNEL IDENTITY PARITY (ODD) 1	AA13	AA14	X	X	
CHANNEL IDENTITY PARITY (ODD) 2	AB13	AB14		X	X
CHANNEL IDENTITY PARITY (ODD)	BC13	BF4		X	
SPARES (NO PARITY) 7	BG2	AG4			
SPARES (NO PARITY) 10	BD7	BG4			
SPARES (NO PARITY) 13	BG10	AG8			



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FLIGHT CONTROL COMPUTER INTERFACE-LEFT

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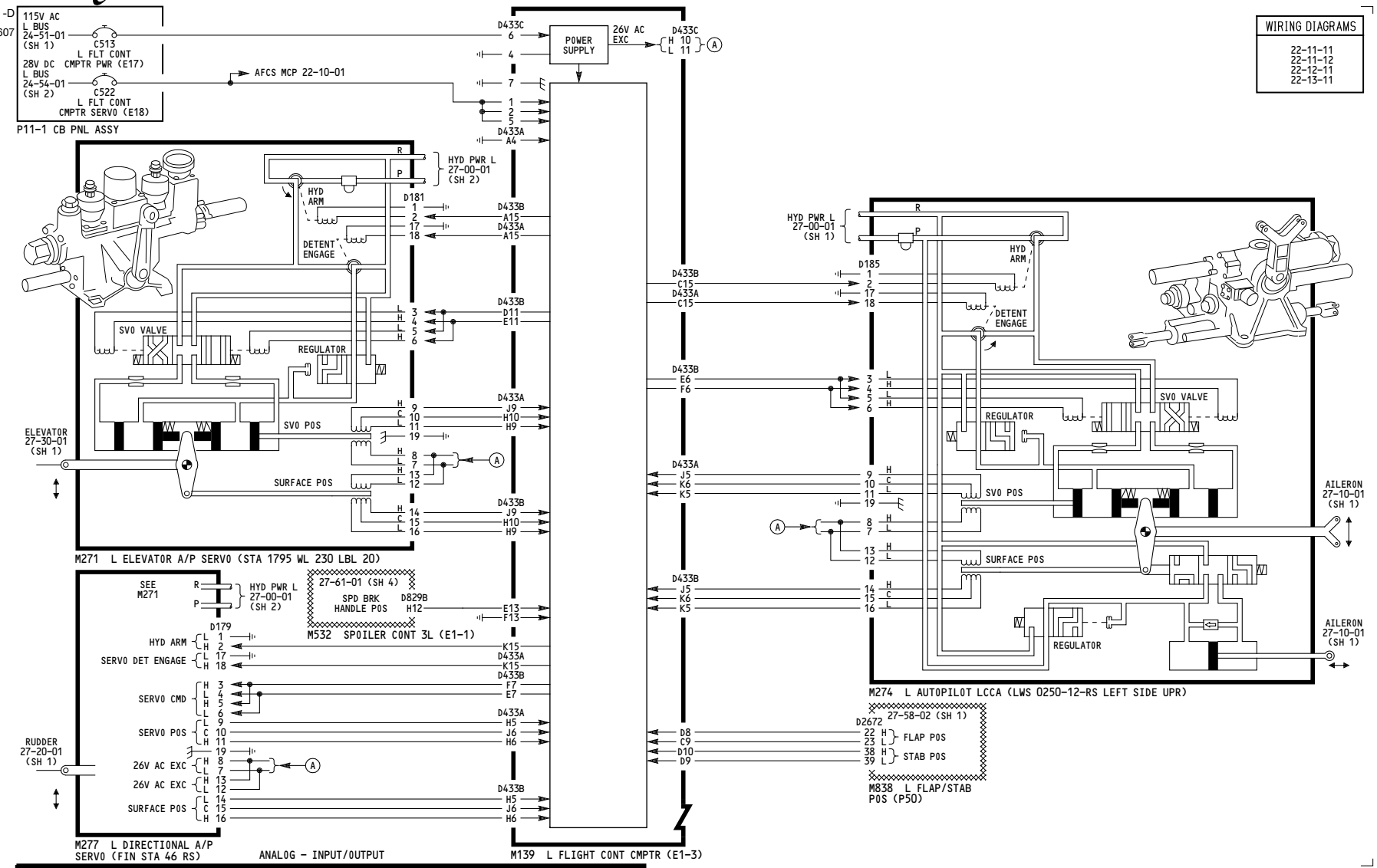

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FLIGHT CONTROL COMPUTER INTERFACE-LEFT

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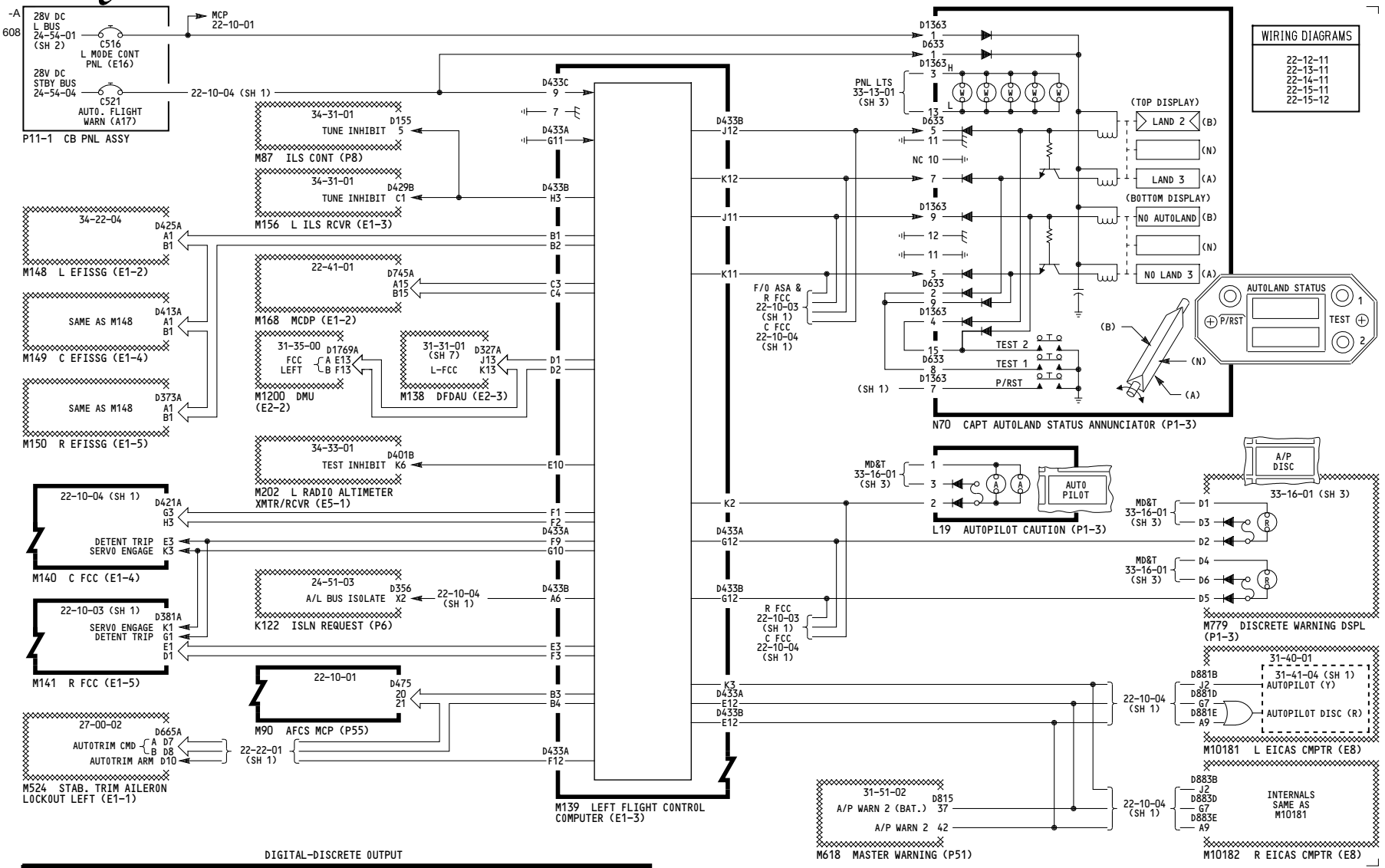


DIGITAL-DISCRETE OUTPUT

150-156, 162-166, 275-276

FLIGHT CONTROL COMPUTER INTERFACE-LEFT

D280T232

22-10-02

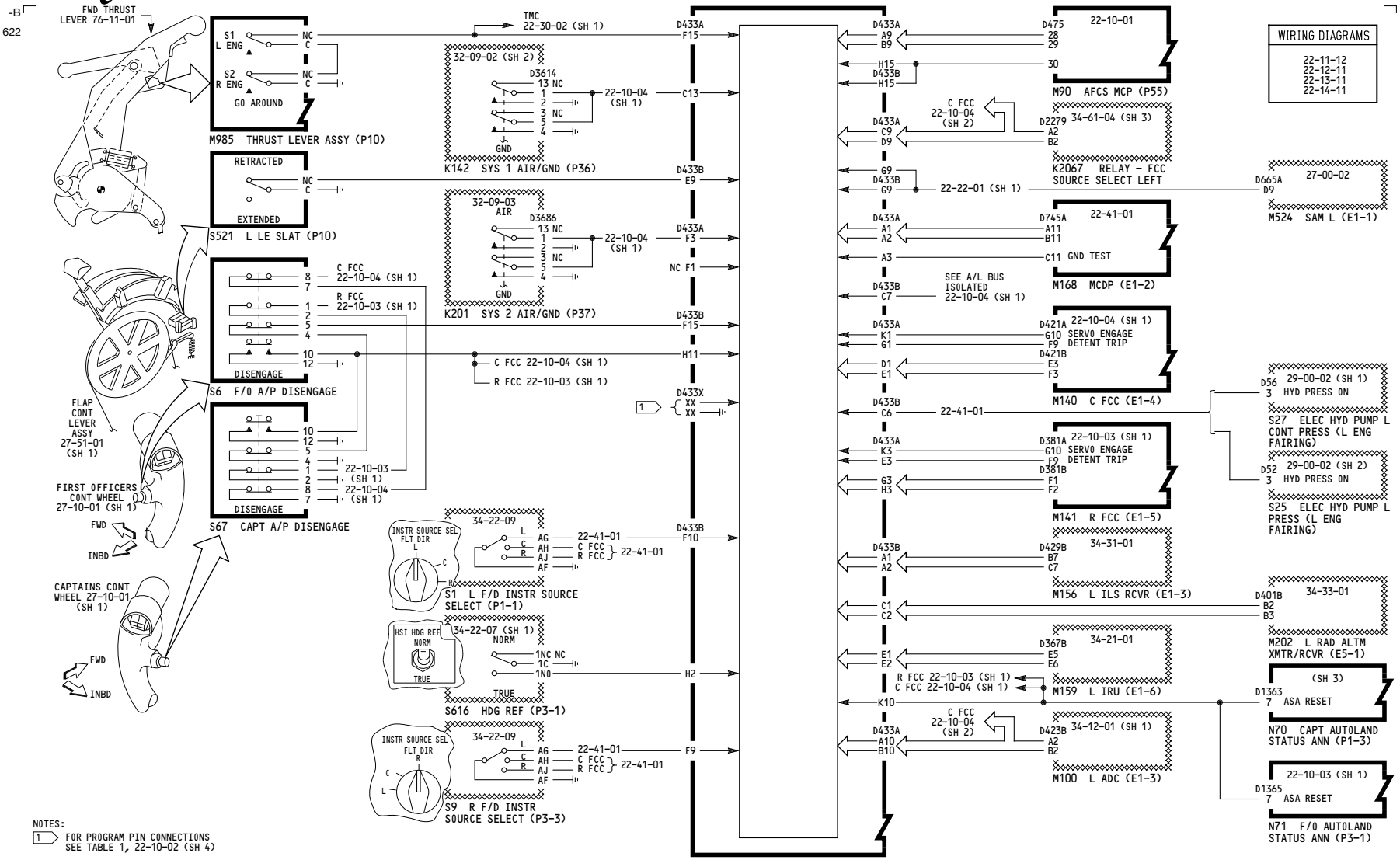
RCVR	XMTR	PARAMETERS
FCC	MCP	MODE STATUS, REQ MODES, ALT SELECTED HDG SELECTED MACH SELECTED, MCP MAINT DATA AIRSPEED SELECTED, TEST WORD, VERT SPD, CMD, VERT SPD SELECTED
FCC	MCDP	TEST CONTROL (12 WORDS)
FCC	FCC	AIL CMD, ALONG TK HRZ ACCEL, ALT, ALT REF, LATERAL ACCEL, LONGIT ACCEL, NORMAL ACCEL, PITCH RATE, ROLL RATE, YAW RATE, COMPUTED AIRSPEED, CROSS TK HRZ ACCEL, DISCRETE WORD, ELEV CMD, FLAP POS, FLT PATH ACCEL, G/S DEV, GND SPEED, HDG REF, HORIZONTAL STEERING, IMPACT PRESSURE, INDICATED AOA, INERTIAL ALT, INERTIAL VERT SPD, INPUT DISC PCKD WD, LOC DEV, MACH MAG HDG, PITCH ANGLE, RADIO HEIGHT ROLL ANGLE, RUDDER CMD, SEL RUNWAY HDG, STAB POS, TEST WORD, TRUE TRACK ANGLE, MAG TRACK ANGLE, TRUE AIRSPEED, TRUE HDG, VERT STEERING RATE, VERT ACCEL, VERT STEERING
FCC	IRU	ALONG TK HRZ ACCEL, LATERAL ACCEL, LONGIT ACCEL, NORMAL ACCEL, PITCH RATE, ROLL RATE, YAW RATE, CROSS TK HRZ ACCEL, FLT PATH ACCEL, GND SPEED, INERTIAL ALT, INERTIAL VERT SPD, IRS DISCRETES, MAG HDG, PITCH ANGLE, PITCH ATT RATE, ROLL ANGLE, TRUE TRACK ANGLE, MAG TRACK ANGLE, TRUE HDG, VERT ACCEL
FCC	ILS	G/S DEV, ILS FREQ, LOC DEV, SEL RUNWAY HDG
FCC	RA	RADIO HEIGHT
FCC	FMC	FMC DISCRETES, HORIZONTAL STEERING, AIRSPEED SELECTED, ALT SELECTED, MACH SELECTED, VERT STEERING RATE, VERT STEERING
FCC	ADC	ALT, ALT RATE, COMPUTED AIRSPEED, IMPACT PRESSURE, INDICATED AOA, MACH, MAX OPRTG SCHEDULE, TRUE AIRSPEED

RCVR	XMTR	PARAMETERS
MCP	FCC	MODE STATUS, COMPUTED AIRSPEED, ELEV SPD CMD, FLAP POS, FMC AIRSPEED REF MACH, SEL RUNWAY HDG, SPD BRK HDL POS, STAB POS, TEST WORD, VERT SPD
MCP	TMC	MODE STATUS, VERT SPEED CMD
MCDP	FCC	FAULT DATA, GND TEST DATA, INTERFACE FAULT DATA, TEST WORD
SAM	FCC	MODE STATUS
EFISSG	FCC	MODE STATUS, FLT DIR PITCH, FLT DIR ROLL, HDG SELECTED, RUNWAY DIST TO GO
DFDAU	FCC	MODE STATUS
DMU	FCC	MODE STATUS
TMC	MCP	MODE STATUS, REQ MODES, ALT SELECTED, ELEV SPD CMD, MACH SELECTED, SPD BRK HDL POS, AIRSPEED SELECTED, STAB POS
FMC	MCP	MODE STATUS, REQ MODES, ALT SELECTED, FLAP POS, HDG SELECTED, MACH SELECTED, AIRSPEED SELECTED, VERT SPD SELECTED
ALT ALERT	MCP	MODE STATUS, ALT SELECTED
M/ASI	MCP	AIRSPEED SELECTED
DFDAU	MCP	ALT SELECTED,HDG SELECTED, MACH SELECTED, AIRSPEED SELECTED, VERT SPD SELECTED
DMU	MCP	ALT SELECTED, HDG SELECTED, MACH SELECTED, AIRSPEED SELECTED, VERT SPD SELECTED

TABLE 1 FCC PROGRAM PINS (767-300ER IGW)

PROGRAM AS CONNECTED		OPTION PIN	GND PIN	L (X = GNDD)	C (X = GNDD)	R (X = GNDD)
CUSTOMER OPTION	1	BA12	BB15	X	X	X
	2	BB12	BD15	X	X	X
	3	BC12	BE5			
	4	BA13	BA14			
	5	BB13	BB14			
A/P MODE ENGAGE		BA3	BE4	X	X	X
DOUBLE PUSH WARN RESET		BH13	BJ14			
FULL TIME NO LAND ANN		BK13	BK14	X	X	X
METHOD 2 MULTI-CHAN ENGA		BG13	BH14			
ASA OPTION		BC8	BE8			
LAT CMD ENGA		BC10	BC14			
CWS INHIBIT		BJ2	BJ4	X	X	X
FULL TIME F/D		BD3	BK4	X	X	X
F/D AUTO ON		BA4	AD4	X	X	X
F/D ON ROLLOUT		BD4	BH4			
SPARE 5		BG1	AG2			
SPARE 6		BH1	AH2			

PROGRAM AS CONNECTED		OPTION PIN	GND PIN	L (X = GNDD)	C (X = GNDD)	R (X = GNDD)
AIRPLANE CONFIG	1	AA12	AA11			
	2	AB12	AB11			
	3	AC12	AC11	X	X	X
	4	BA11	BG8			
	5	BB11	BH8			
INTERLOCK CODE	1	BC11	BJ8			
	2	BF11	BK9			
	3	BD12	BD15			
	4	BF12	BK7			
	5	BH12	BJ15			
CHANNEL IDENTITY PARITY (ODD)	1	AA13	AA14	X	X	
	2	AB13	AB14		X	X
		BC13	BF4		X	
SPARES (NO PARITY)	7	BG2	AG4			
	10	BD7	BG4			
	13	BG10	AG8			



NOTES:
1. FOR PROGRAM PIN CONNECTIONS SEE TABLE 1, 22-10-02 (SH 4)

DIGITAL - DISCRETE INPUT

150-156, 162-166

FLIGHT CONTROL COMPUTER INTERFACE-LEFT

D280T232

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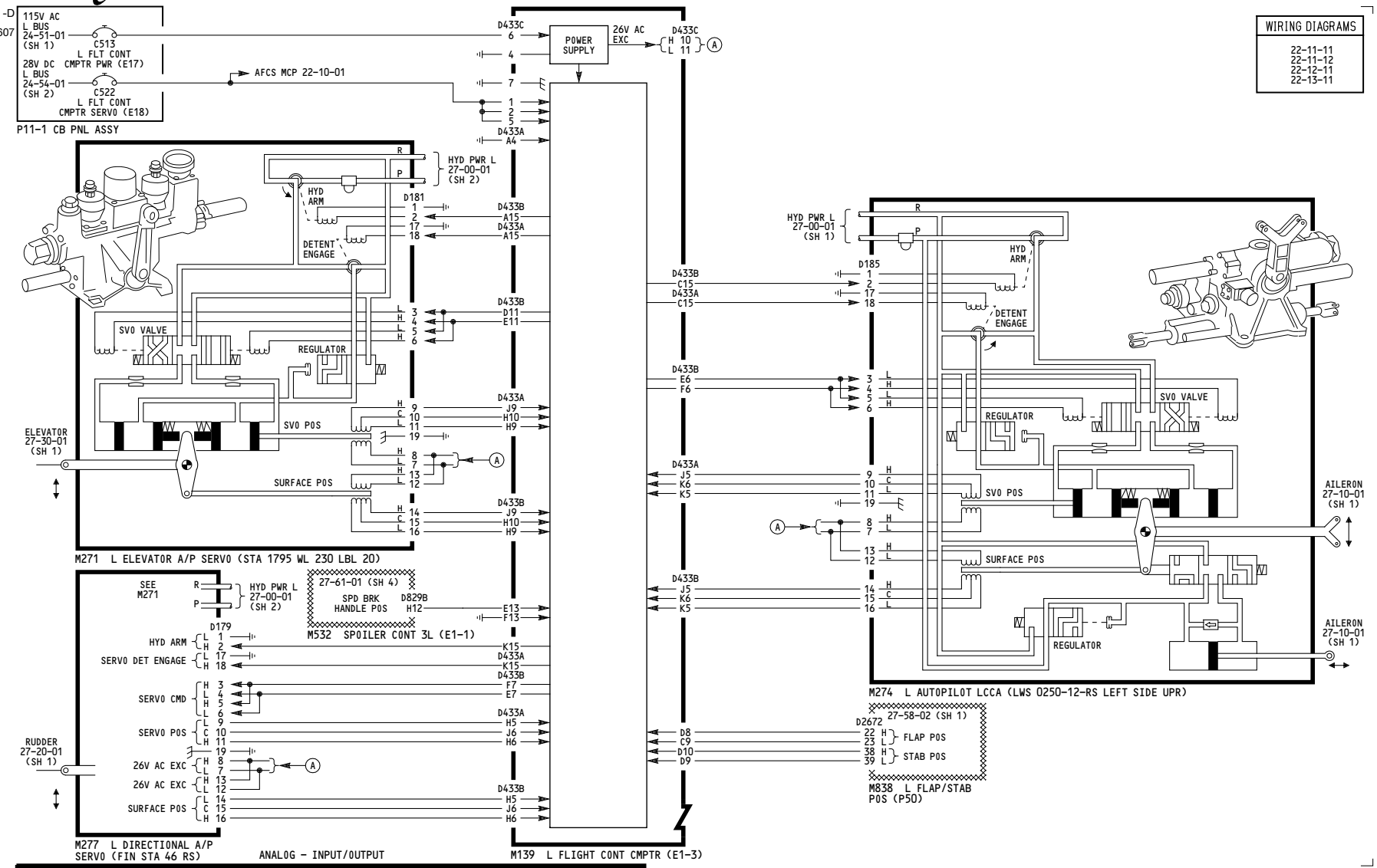

150-156, 162-166

FLIGHT CONTROL COMPUTER INTERFACE-LEFT

D280T232

22-10-02

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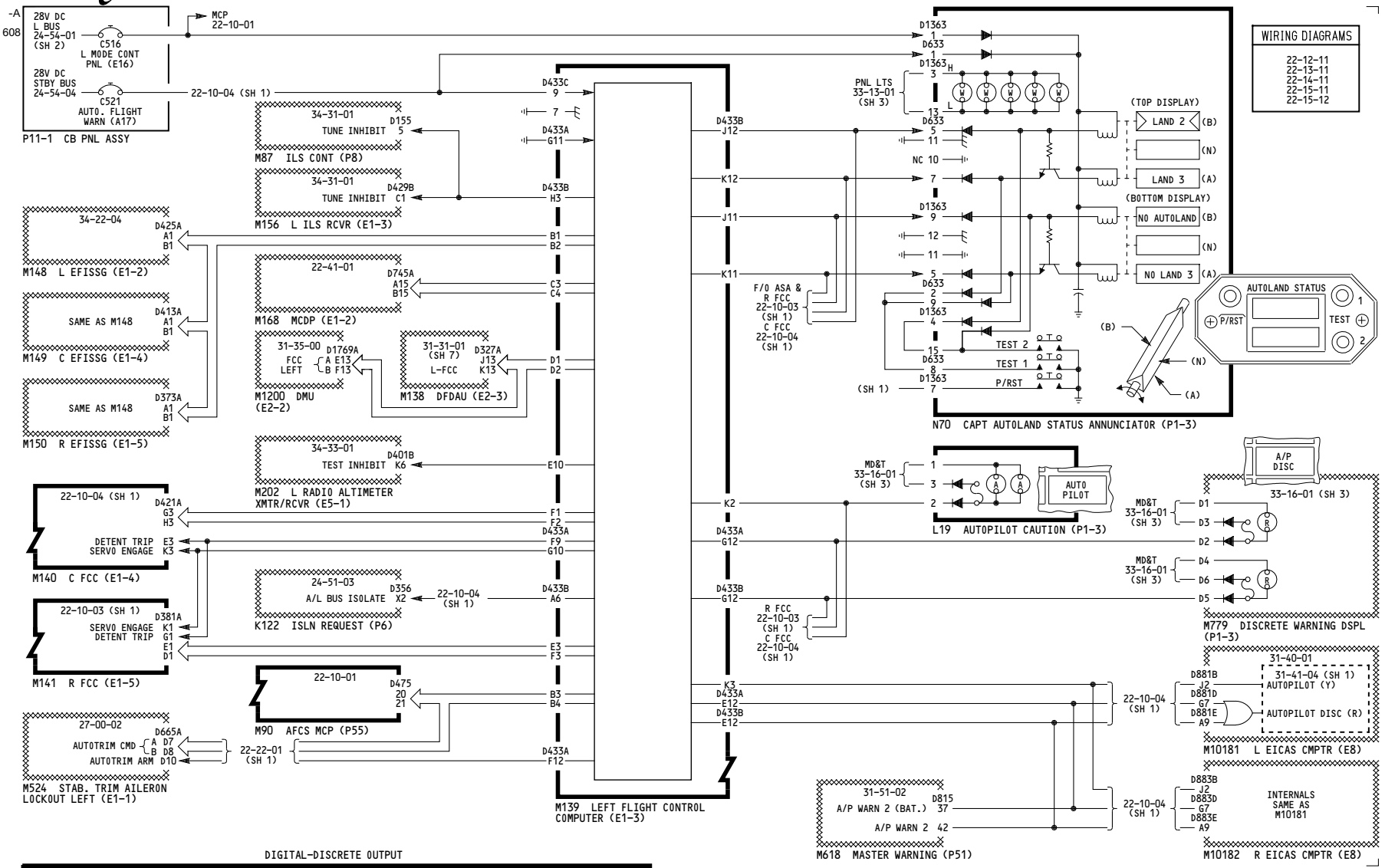


DIGITAL-DISCRETE OUTPUT

150-156, 162-166

FLIGHT CONTROL COMPUTER INTERFACE-LEFT

D280T232

22-10-02

RCVR	XMTR	PARAMETERS
FCC	MCP	MODE STATUS, REQ MODES, ALT SELECTED HDG SELECTED MACH SELECTED, MCP MAINT DATA AIRSPEED SELECTED, TEST WORD, VERT SPD, CMD, VERT SPD SELECTED
FCC	MCDP	TEST CONTROL (12 WORDS)
FCC	FCC	AIL CMD, ALONG TK HRZ ACCEL, ALT, ALT REF, LATERAL ACCEL, LONGIT ACCEL, NORMAL ACCEL, PITCH RATE, ROLL RATE, YAW RATE, COMPUTED AIRSPEED, CROSS TK HRZ ACCEL, DISCRETE WORD, ELEV CMD, FLAP POS, FLT PATH ACCEL, G/S DEV, GND SPEED, HDG REF, HORIZONTAL STEERING, IMPACT PRESSURE, INDICATED AOA, INERTIAL ALT, INERTIAL VERT SPD, INPUT DISC PCKD WD, LOC DEV, MACH MAG HDG, PITCH ANGLE, RADIO HEIGHT ROLL ANGLE, RUDDER CMD, SEL RUNWAY HDG, STAB POS, TEST WORD, TRUE TRACK ANGLE, MAG TRACK ANGLE, TRUE AIRSPEED, TRUE HDG, VERT STEERING RATE, VERT ACCEL, VERT STEERING
FCC	IRU	ALONG TK HRZ ACCEL, LATERAL ACCEL, LONGIT ACCEL, NORMAL ACCEL, PITCH RATE, ROLL RATE, YAW RATE, CROSS TK HRZ ACCEL, FLT PATH ACCEL, GND SPEED, INERTIAL ALT, INERTIAL VERT SPD, IRS DISCRETES, MAG HDG, PITCH ANGLE, PITCH ATT RATE, ROLL ANGLE, TRUE TRACK ANGLE, MAG TRACK ANGLE, TRUE HDG, VERT ACCEL
FCC	ILS	G/S DEV, ILS FREQ, LOC DEV, SEL RUNWAY HDG
FCC	RA	RADIO HEIGHT
FCC	FMC	FMC DISCRETES, HORIZONTAL STEERING, AIRSPEED SELECTED, ALT SELECTED, MACH SELECTED, VERT STEERING RATE, VERT STEERING
FCC	ADC	ALT, ALT RATE, COMPUTED AIRSPEED, IMPACT PRESSURE, INDICATED AOA, MACH, MAX OPRTG SCHEDULE, TRUE AIRSPEED

RCVR	XMTR	PARAMETERS
MCP	FCC	MODE STATUS, COMPUTED AIRSPEED, ELEV SPD CMD, FLAP POS, FMC AIRSPEED REF MACH, SEL RUNWAY HDG, SPD BRK HDL POS, STAB POS, TEST WORD, VERT SPD
MCP	TMC	MODE STATUS, VERT SPEED CMD
MCDP	FCC	FAULT DATA, GND TEST DATA, INTERFACE FAULT DATA, TEST WORD
SAM	FCC	MODE STATUS
EFISSG	FCC	MODE STATUS, FLT DIR PITCH, FLT DIR ROLL, HDG SELECTED, RUNWAY DIST TO GO
DFDAU	FCC	MODE STATUS
DMU	FCC	MODE STATUS
TMC	MCP	MODE STATUS, REQ MODES, ALT SELECTED, ELEV SPD CMD, MACH SELECTED, SPD BRK HDL POS, AIRSPEED SELECTED, STAB POS
FMC	MCP	MODE STATUS, REQ MODES, ALT SELECTED, FLAP POS, HDG SELECTED, MACH SELECTED, AIRSPEED SELECTED, VERT SPD SELECTED
ALT ALERT	MCP	MODE STATUS, ALT SELECTED
M/ASI	MCP	AIRSPEED SELECTED
DFDAU	MCP	ALT SELECTED,HDG SELECTED, MACH SELECTED, AIRSPEED SELECTED, VERT SPD SELECTED
DMU	MCP	ALT SELECTED, HDG SELECTED, MACH SELECTED, AIRSPEED SELECTED, VERT SPD SELECTED

TABLE 1 FCC PROGRAM PINS (767-300ER IGW)

PROGRAM AS CONNECTED		OPTION PIN	GND PIN	L (X = GNDD)	C (X = GNDD)	R (X = GNDD)
CUSTOMER OPTION	1	BA12	BB15	X	X	X
	2	BB12	BD15	X	X	X
	3	BC12	BE5			
	4	BA13	BA14			
	5	BB13	BB14			
A/P MODE ENGAGE		BA3	BE4	X	X	X
DOUBLE PUSH WARN RESET		BH13	BJ14			
FULL TIME NO LAND ANN		BK13	BK14	X	X	X
METHOD 2 MULTI-CHAN ENGA		BG13	BH14			
ASA OPTION		BC8	BE8			
LAT CMD ENGA		BC10	BC14			
CWS INHIBIT		BJ2	BJ4	X	X	X
FULL TIME F/D		BD3	BK4	X	X	X
F/D AUTO ON		BA4	AD4	X	X	X
F/D ON ROLLOUT		BD4	BH4			
SPARE 5		BG1	AG2			
SPARE 6		BH1	AH2			

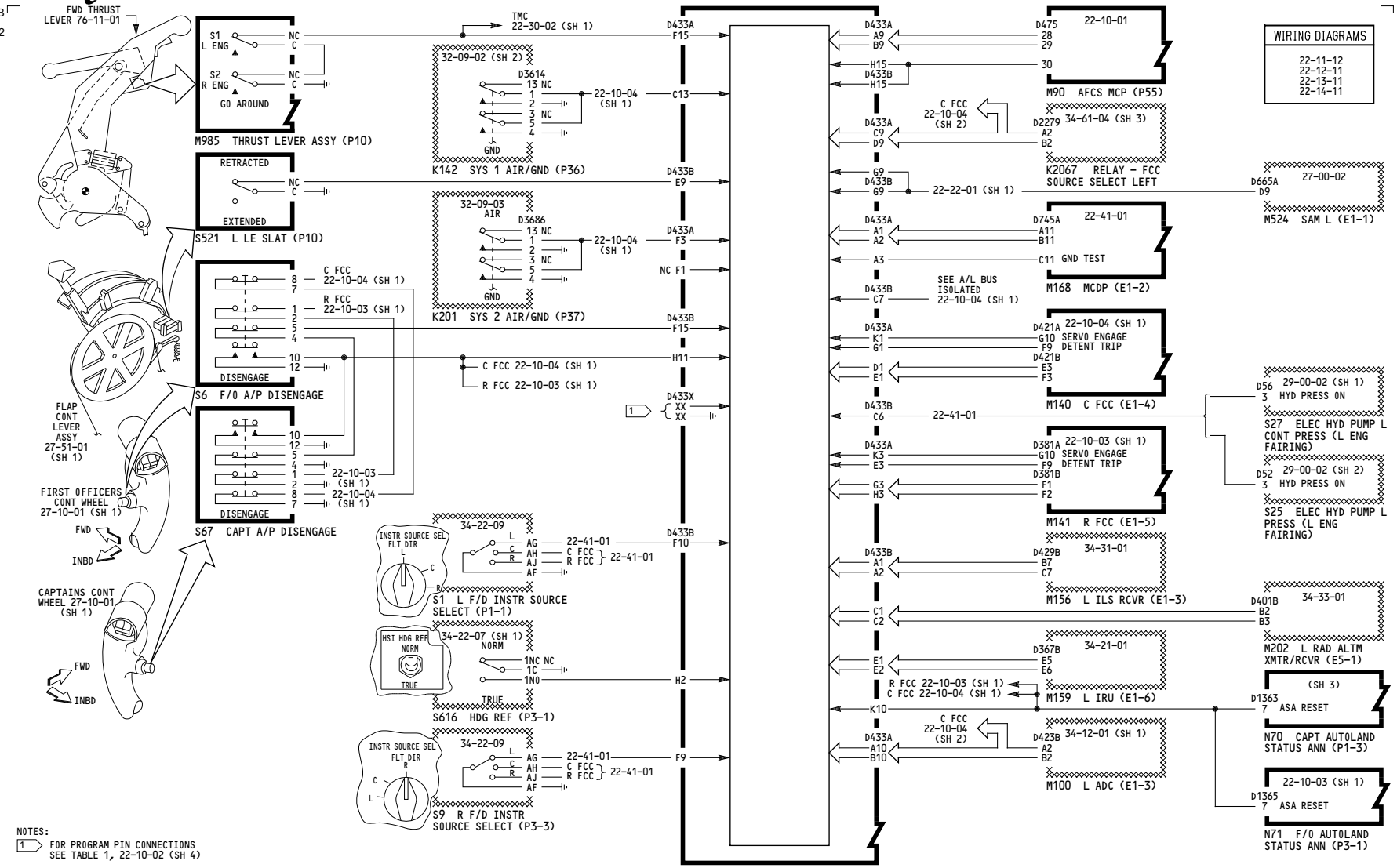
PROGRAM AS CONNECTED		OPTION PIN	GND PIN	L (X = GNDD)	C (X = GNDD)	R (X = GNDD)
AIRPLANE CONFIG	1	AA12	AA11			
	2	AB12	AB11			
	3	AC12	AC11	X	X	X
	4	BA11	BG8			
	5	BB11	BH8			
INTERLOCK CODE	1	BC11	BJ8			
	2	BF11	BK9	X	X	X
	3	BD12	BD14			
	4	BF12	BK7			
	5	BH12	BJ15			
CHANNEL IDENTITY	1	AA13	AA14	X	X	
PARITY (ODD)	2	AB13	AB14		X	X
		BC13	BF4	X		X
SPARES (NO PARITY)	7	BG2	AG4			
	10	BD7	BG4			
	13	BG10	AG8			

150-156, 162-166

FLIGHT CONTROL COMPUTER INTERFACE-LEFT

D280T232

Incorporates
22-0046



NOTES:
1 FOR PROGRAM PIN CONNECTIONS SEE TABLE 1, 22-10-02 (SH 4)

DIGITAL - DISCRETE INPUT

157, 167-199, 277-299

FLIGHT CONTROL COMPUTER INTERFACE-LEFT

D280T232

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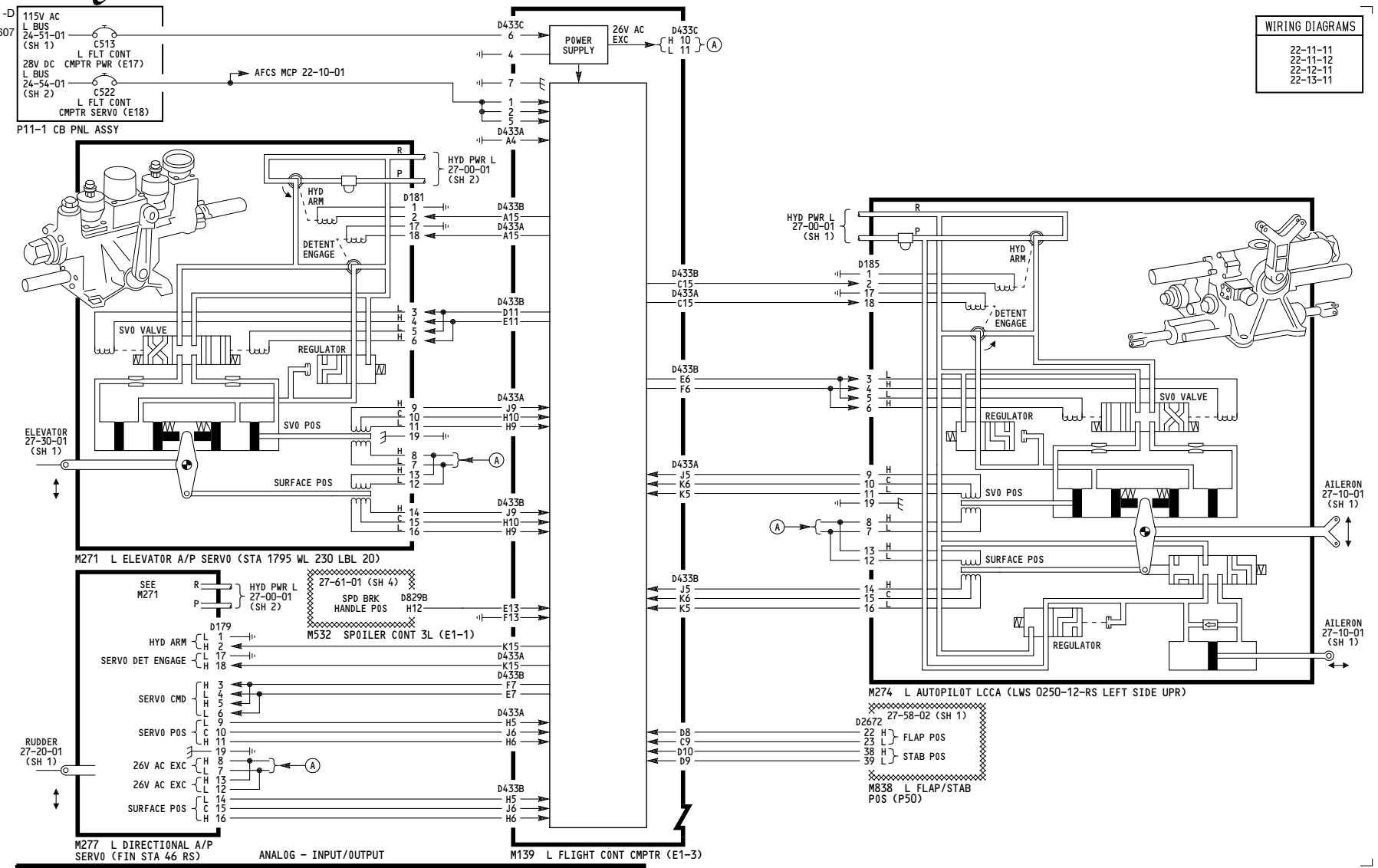

157, 167-199, 277-299

FLIGHT CONTROL COMPUTER INTERFACE-LEFT

D280T232

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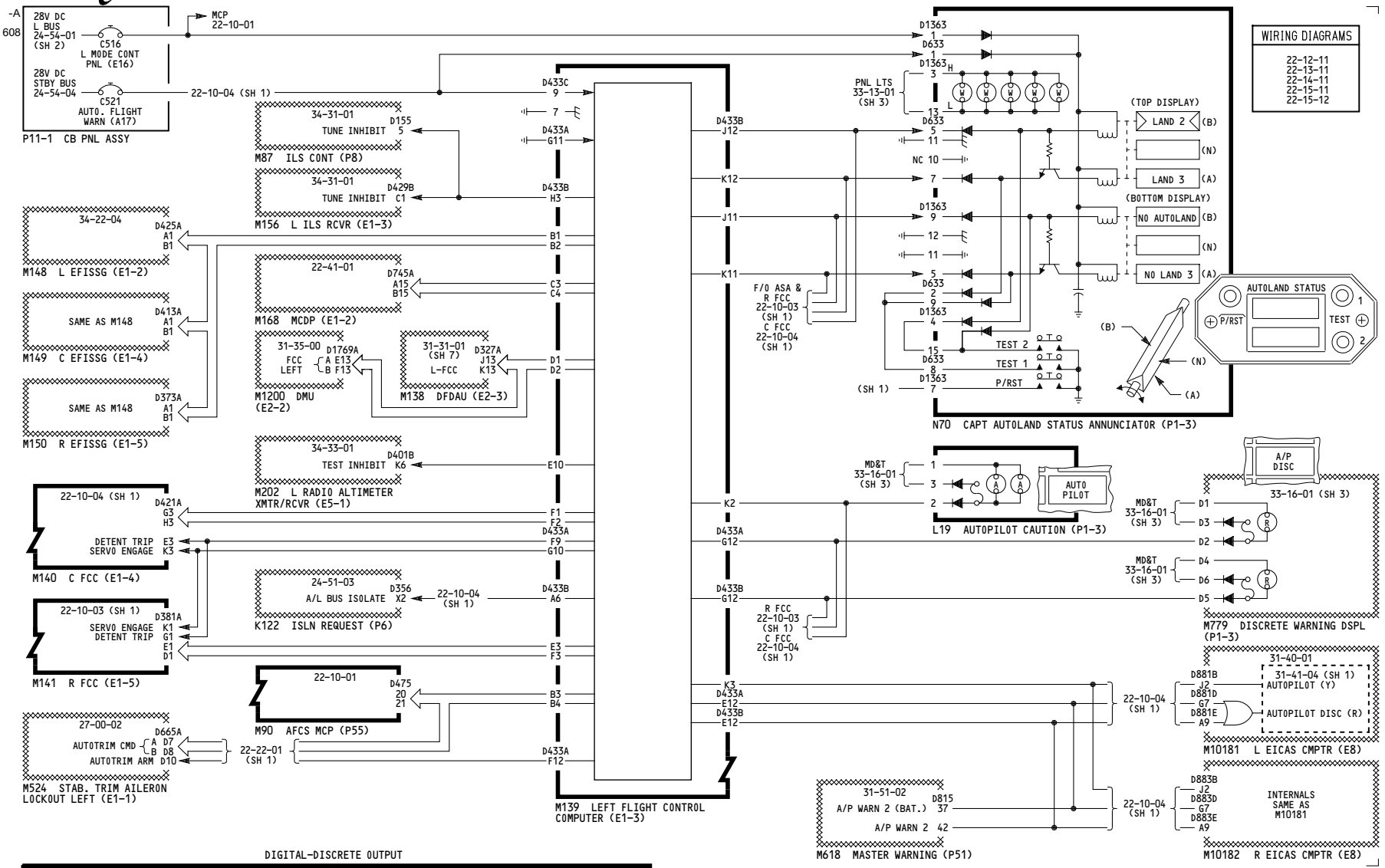


DIGITAL-DISCRETE OUTPUT

157, 167-199, 277-299

FLIGHT CONTROL COMPUTER INTERFACE-LEFT

D280T232

22-10-02

RCVR	XMTR	PARAMETERS
FCC	MCP	MODE STATUS, REQ MODES, ALT SELECTED HDG SELECTED MACH SELECTED, MCP MAINT DATA AIRSPEED SELECTED, TEST WORD, VERT SPD, CMD, VERT SPD SELECTED
FCC	MCDP	TEST CONTROL (12 WORDS)
FCC	FCC	AIL CMD, ALONG TK HRZ ACCEL, ALT, ALT REF, LATERAL ACCEL, LONGIT ACCEL, NORMAL ACCEL, PITCH RATE, ROLL RATE, YAW RATE, COMPUTED AIRSPEED, CROSS TK HRZ ACCEL, DISCRETE WORD, ELEV CMD, FLAP POS, FLT PATH ACCEL, G/S DEV, GND SPEED, HDG REF, HORIZONTAL STEERING, IMPACT PRESSURE, INDICATED AOA, INERTIAL ALT, INERTIAL VERT SPD, INPUT DISC PCKD WD, LOC DEV, MACH MAG HDG, PITCH ANGLE, RADIO HEIGHT ROLL ANGLE, RUDDER CMD, SEL RUNWAY HDG, STAB POS, TEST WORD, TRUE TRACK ANGLE, MAG TRACK ANGLE, TRUE AIRSPEED, TRUE HDG, VERT STEERING RATE, VERT ACCEL, VERT STEERING
FCC	IRU	ALONG TK HRZ ACCEL, LATERAL ACCEL, LONGIT ACCEL, NORMAL ACCEL, PITCH RATE, ROLL RATE, YAW RATE, CROSS TK HRZ ACCEL, FLT PATH ACCEL, GND SPEED, INERTIAL ALT, INERTIAL VERT SPD, IRS DISCRETES, MAG HDG, PITCH ANGLE, PITCH ATT RATE, ROLL ANGLE, TRUE TRACK ANGLE, MAG TRACK ANGLE, TRUE HDG, VERT ACCEL
FCC	ILS	G/S DEV, ILS FREQ, LOC DEV, SEL RUNWAY HDG
FCC	RA	RADIO HEIGHT
FCC	FMC	FMC DISCRETES, HORIZONTAL STEERING, AIRSPEED SELECTED, ALT SELECTED, MACH SELECTED, VERT STEERING RATE, VERT STEERING
FCC	ADC	ALT, ALT RATE, COMPUTED AIRSPEED, IMPACT PRESSURE, INDICATED AOA, MACH, MAX OPRTG SCHEDULE, TRUE AIRSPEED

RCVR	XMTR	PARAMETERS
MCP	FCC	MODE STATUS, COMPUTED AIRSPEED, ELEV SPD CMD, FLAP POS, FMC AIRSPEED REF MACH, SEL RUNWAY HDG, SPD BRK HDL POS, STAB POS, TEST WORD, VERT SPD
MCP	TMC	MODE STATUS, VERT SPEED CMD
MCDP	FCC	FAULT DATA, GND TEST DATA, INTERFACE FAULT DATA, TEST WORD
SAM	FCC	MODE STATUS
EFISSG	FCC	MODE STATUS, FLT DIR PITCH, FLT DIR ROLL, HDG SELECTED, RUNWAY DIST TO GO
DFDAU	FCC	MODE STATUS
DMU	FCC	MODE STATUS
TMC	MCP	MODE STATUS, REQ MODES, ALT SELECTED, ELEV SPD CMD, MACH SELECTED, SPD BRK HDL POS, AIRSPEED SELECTED, STAB POS
FMC	MCP	MODE STATUS, REQ MODES, ALT SELECTED, FLAP POS, HDG SELECTED, MACH SELECTED, AIRSPEED SELECTED, VERT SPD SELECTED
ALT ALERT	MCP	MODE STATUS, ALT SELECTED
M/ASI	MCP	AIRSPEED SELECTED
DFDAU	MCP	ALT SELECTED,HDG SELECTED, MACH SELECTED, AIRSPEED SELECTED, VERT SPD SELECTED
DMU	MCP	ALT SELECTED, HDG SELECTED, MACH SELECTED, AIRSPEED SELECTED, VERT SPD SELECTED

TABLE 1 FCC PROGRAM PINS (767-300ER IGW)

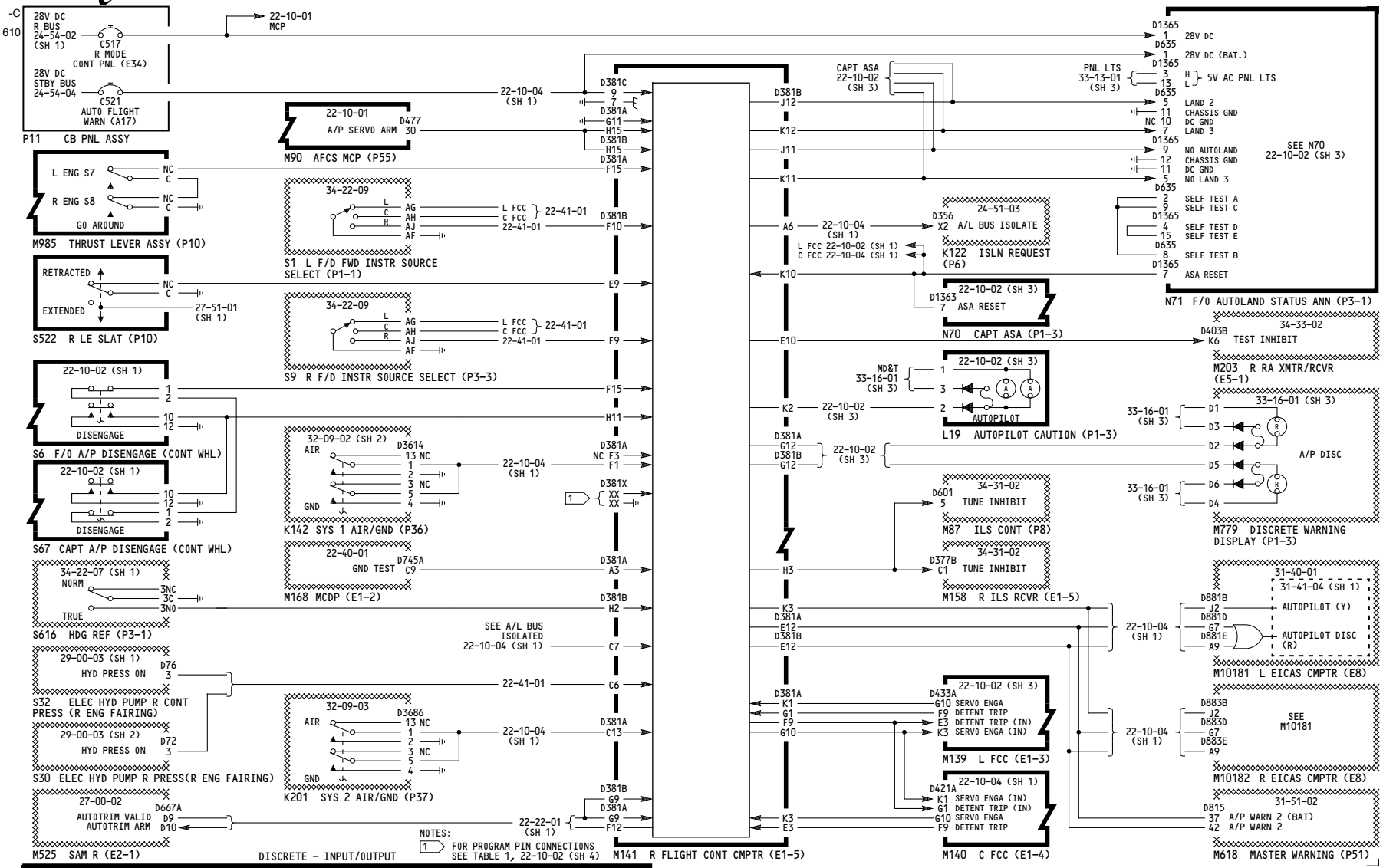
PROGRAM AS CONNECTED		OPTION PIN	GND PIN	L (X = GNDD)	C (X = GNDD)	R (X = GNDD)
CUSTOMER OPTION	1	BA12	BB15	X	X	X
	2	BB12	BD15	X	X	X
	3	BC12	BE5			
	4	BA13	BA14			
	5	BB13	BB14			
A/P MODE ENGAGE		BA3	BE4	X	X	X
DOUBLE PUSH WARN RESET		BH13	BJ14			
FULL TIME NO LAND ANN		BK13	BK14	X	X	X
METHOD 2 MULTI-CHAN ENGA		BG13	BH14			
ASA OPTION		BC8	BE8			
LAT CMD ENGA		BC10	BC14			
CWS INHIBIT		BJ2	BJ4	X	X	X
FULL TIME F/D		BD3	BK4	X	X	X
F/D AUTO ON		BA4	AD4	X	X	X
F/D ON ROLLOUT		BD4	BH4			
SPARE 5		BG1	AG2			
SPARE 6		BH1	AH2			

PROGRAM AS CONNECTED		OPTION PIN	GND PIN	L (X = GNDD)	C (X = GNDD)	R (X = GNDD)
AIRPLANE CONFIG	1	AA12	AA11			
	2	AB12	AB11			
	3	AC12	AC11	X	X	X
	4	BA11	BG8			
	5	BB11	BH8			
INTERLOCK CODE	1	BC11	BJ8			
	2	BF11	BK9	X	X	X
	3	BD12	BD15			
	4	BF12	BK7			
	5	BH12	BJ15			
CHANNEL IDENTITY PARITY (ODD)	1	AA13	AA14	X	X	
	2	AB13	AB14		X	X
		BC13	BF4	X		X
SPARES (NO PARITY)	7	BG2	AG4			
	10	BD7	BG4			
	13	BG10	AG8			

157, 167-199, 277-299

FLIGHT CONTROL COMPUTER INTERFACE-LEFT

D280T232



ALL

FLIGHT CONTROL COMPUTER INTERFACE-RIGHT

D280T232

22-10-03

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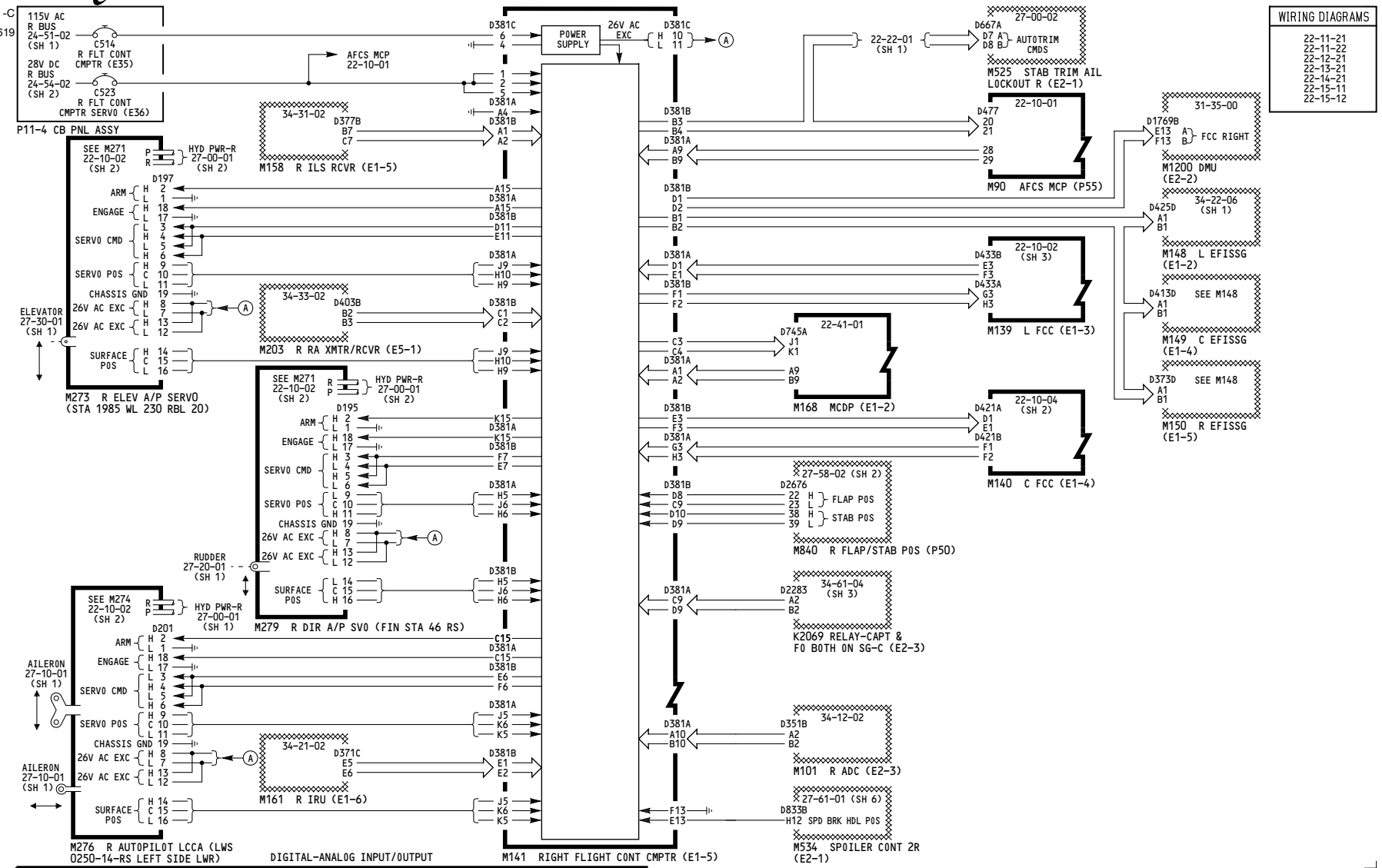
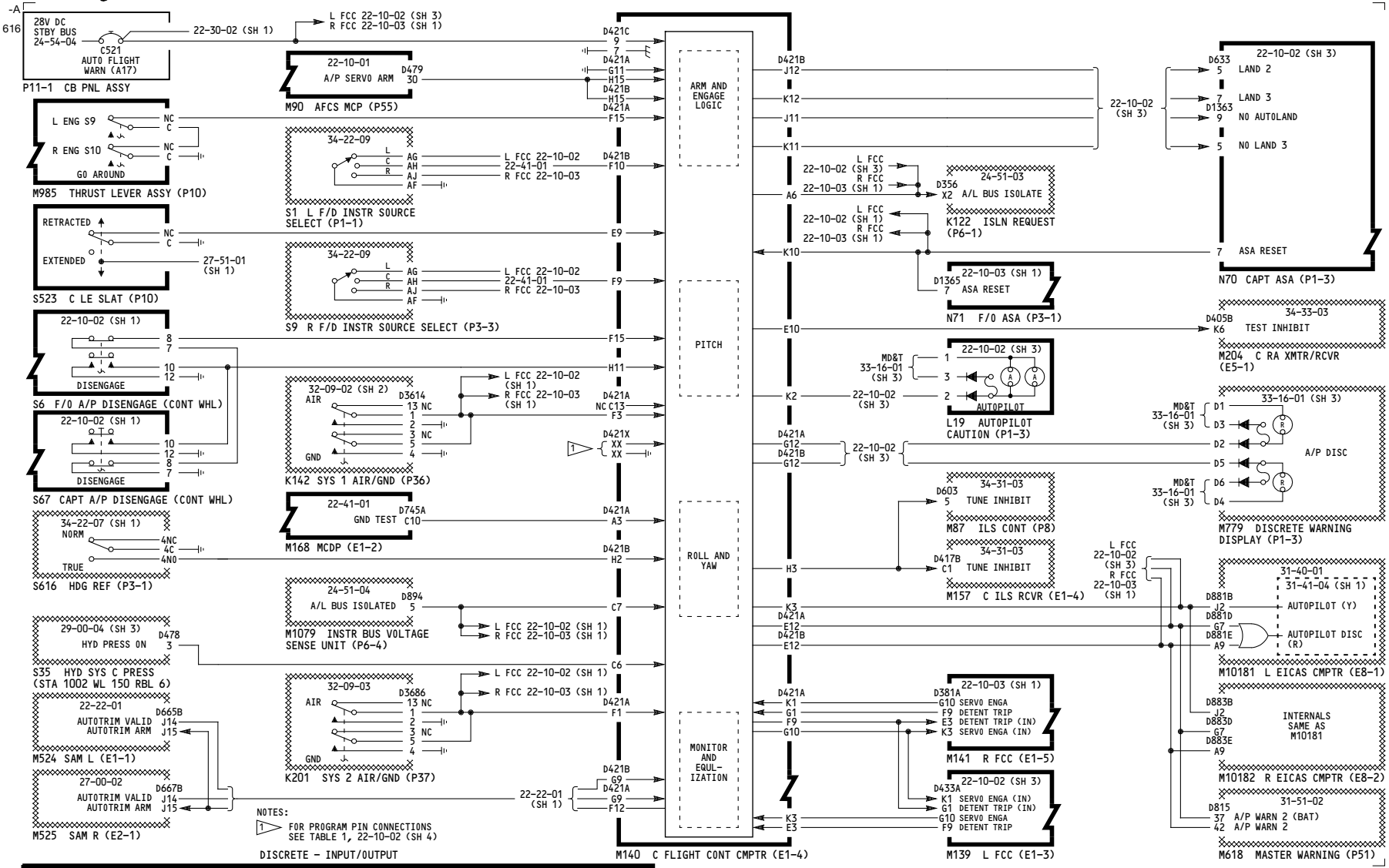


ALL

FLIGHT CONTROL COMPUTER INTERFACE-RIGHT

D280T232

22-10-03

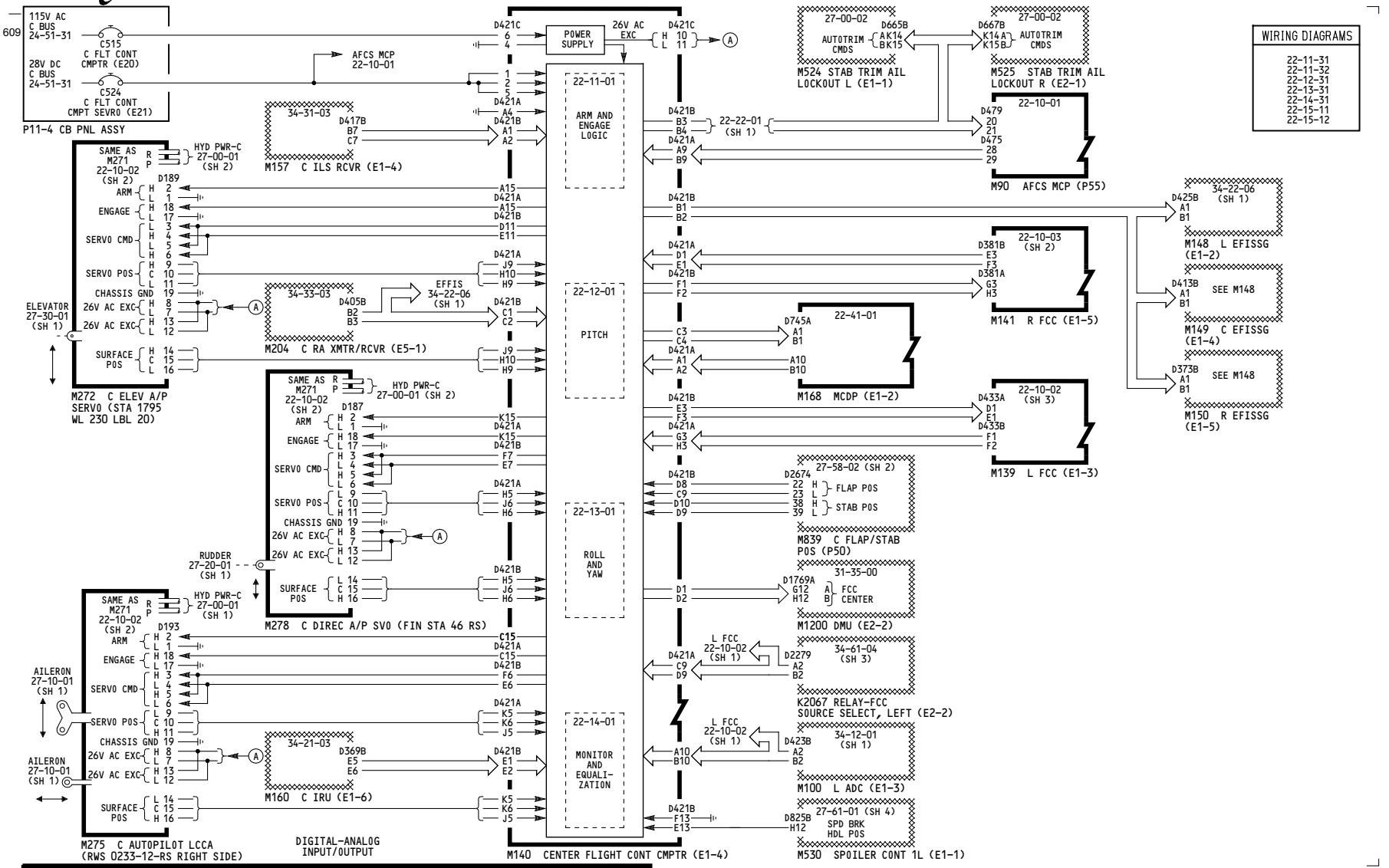


ALL

FLIGHT CONTROL COMPUTER INTERFACE-CENTER

D280T232

22-10-04



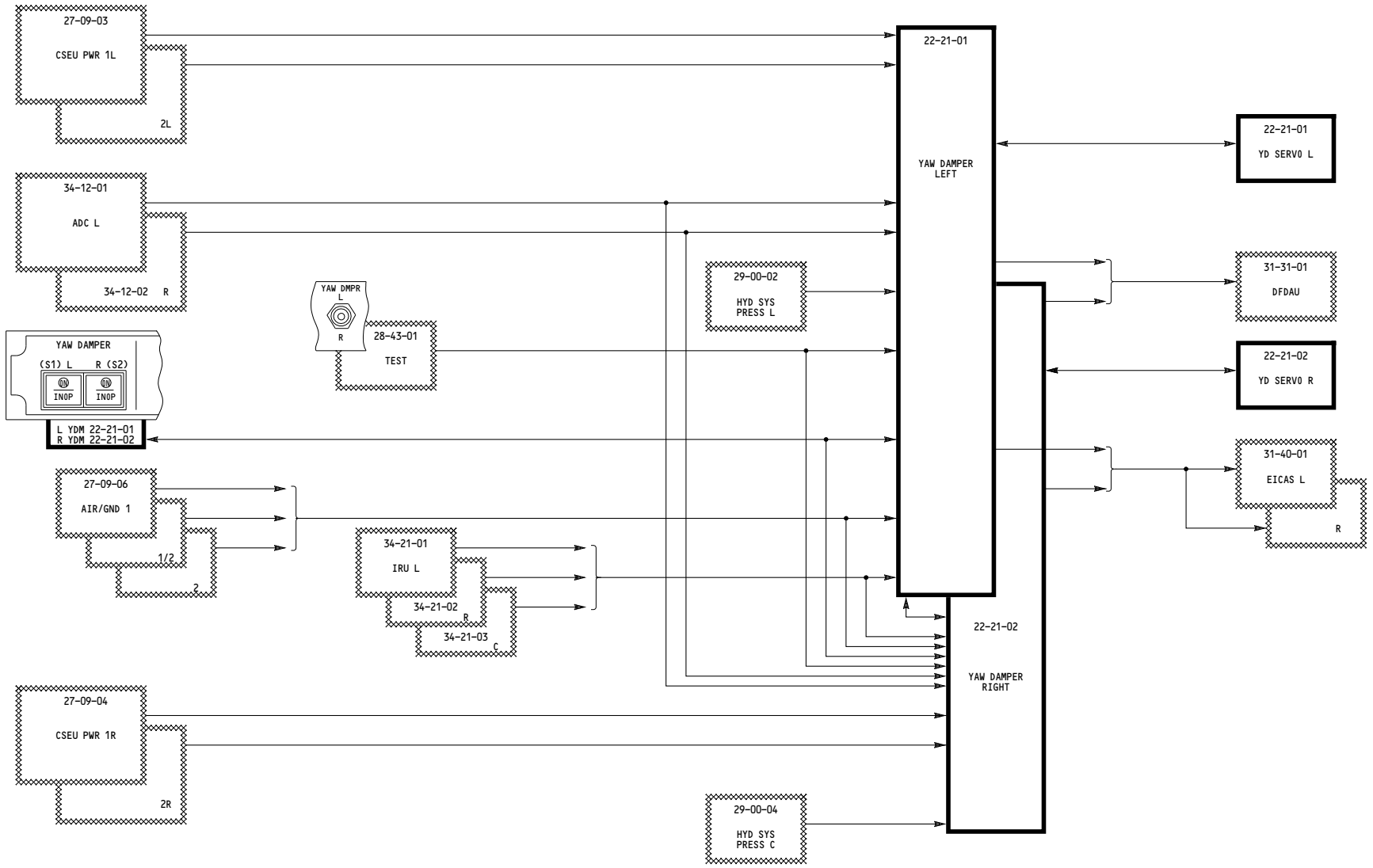
ALL

FLIGHT CONTROL COMPUTER INTERFACE-CENTER

D280T232

22-10-04

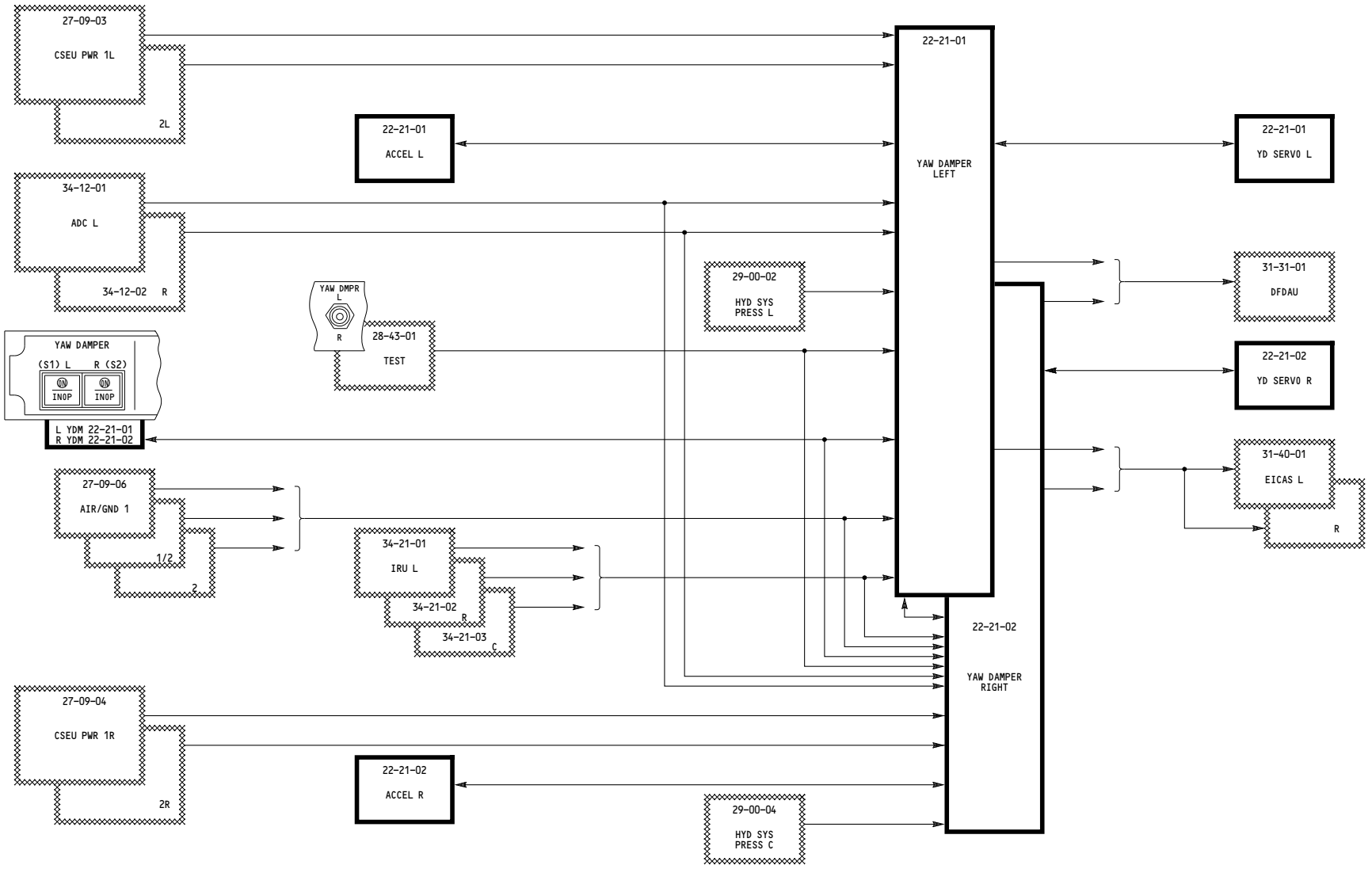
607



050-099

**YAW DAMPER-
SIMPLIFIED**

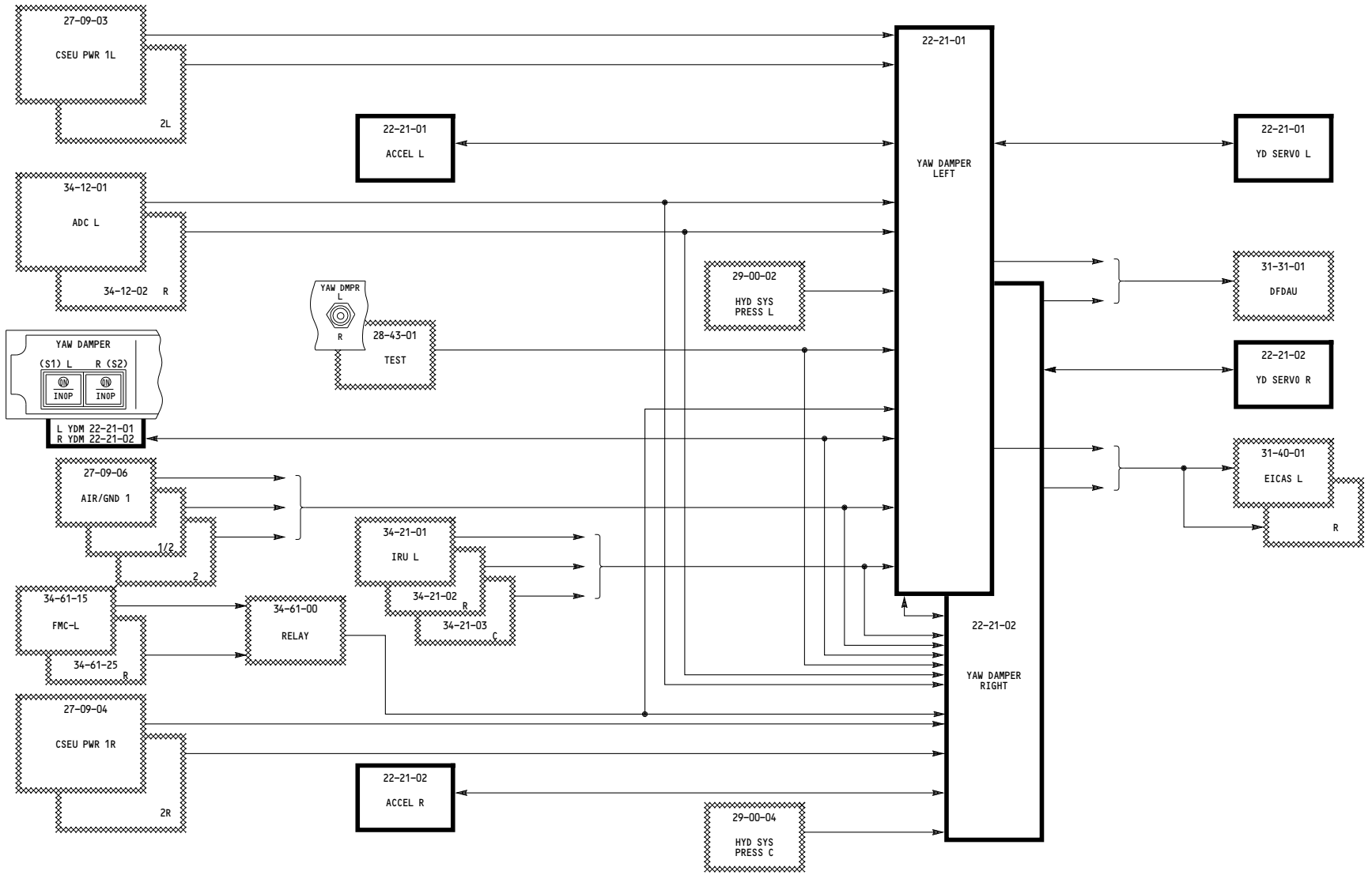
D280T232



150-199

**YAW DAMPER-
SIMPLIFIED**

D280T232



150-280	**YAW DAMPER-SIMPLIFIED**
	D280T232

Incorporates
22-0062

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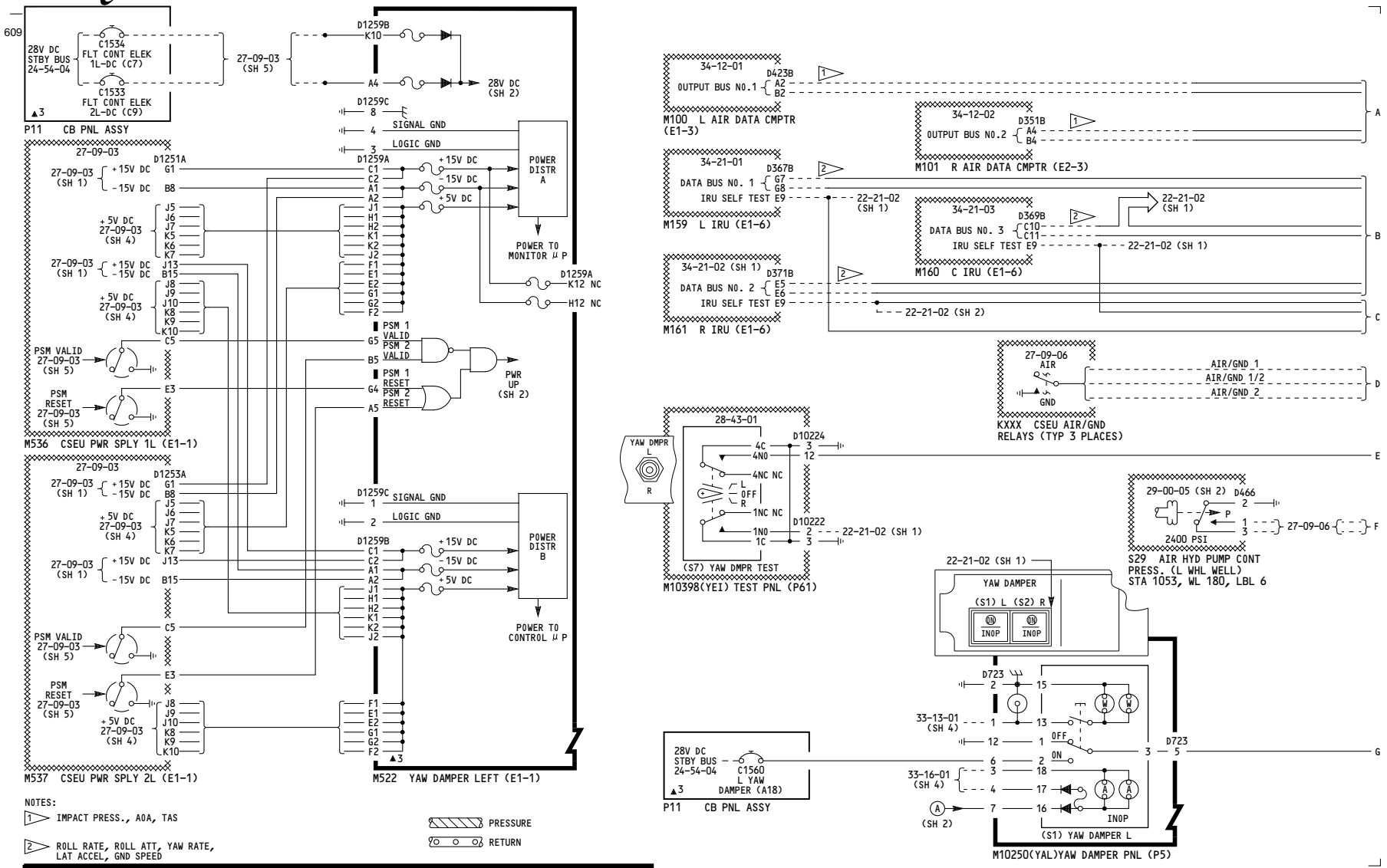
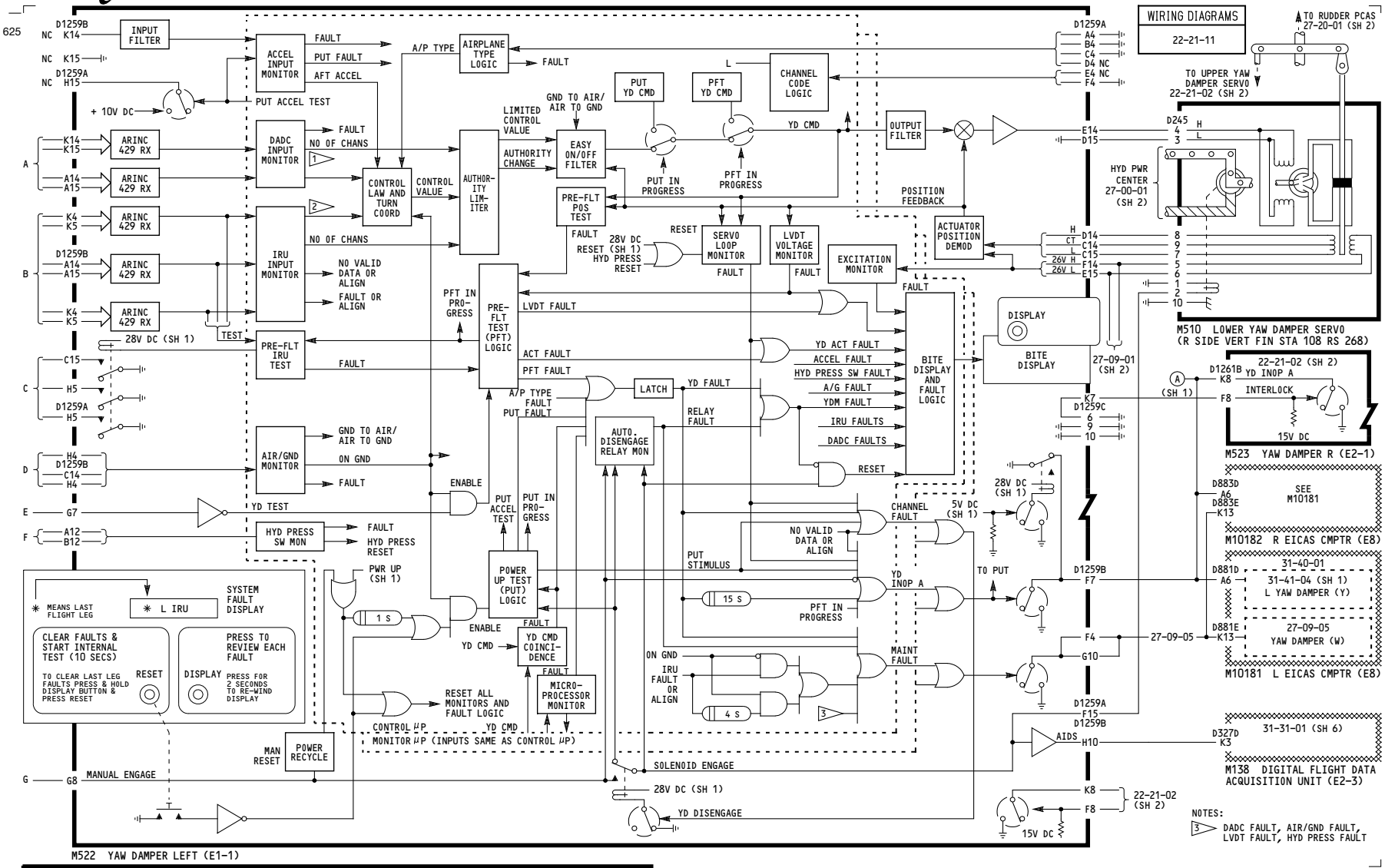


050-099

YAW DAMPER-LEFT

D280T232

22-21-01



050-099

YAW DAMPER-LEFT

D280T232

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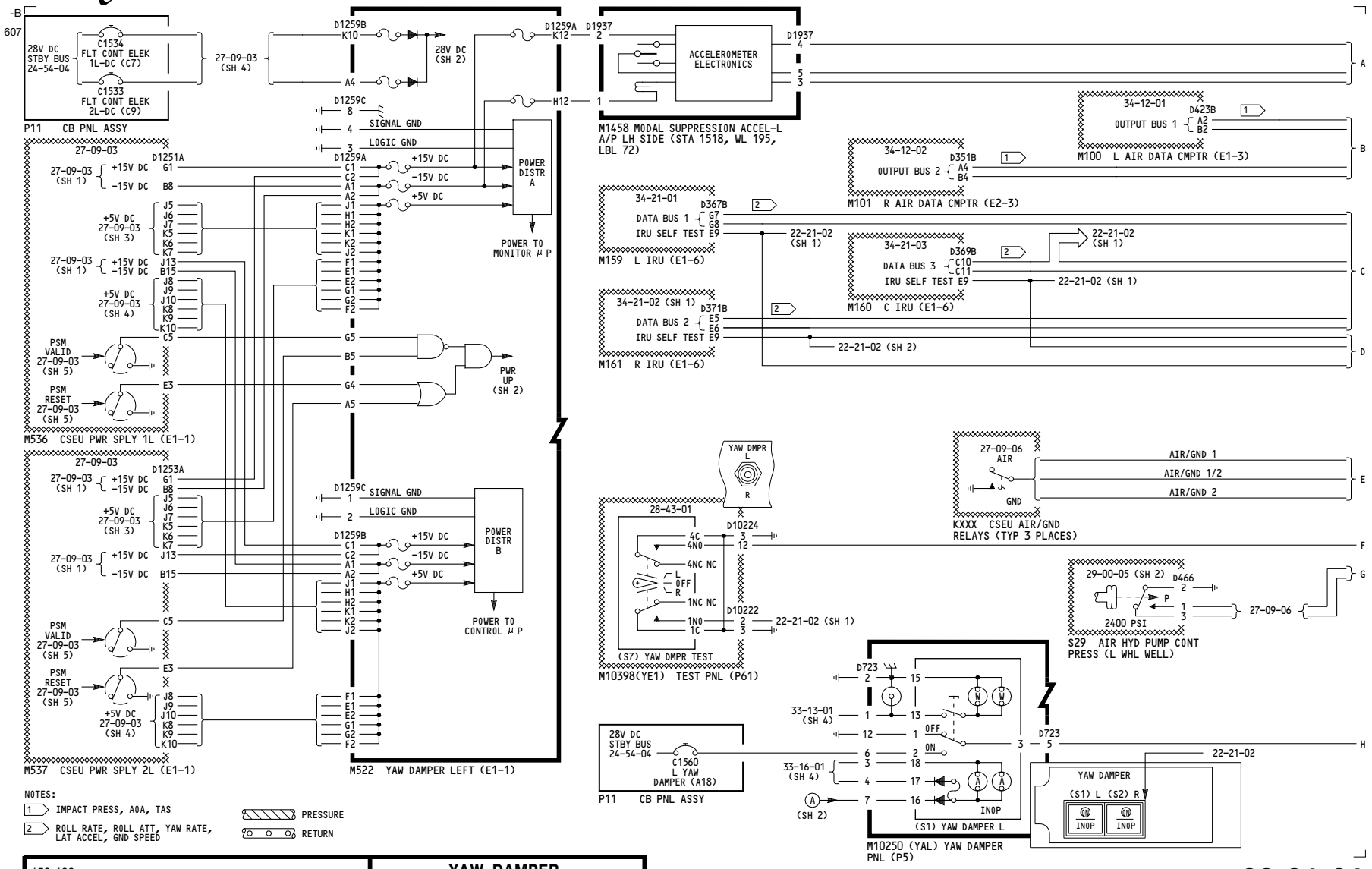
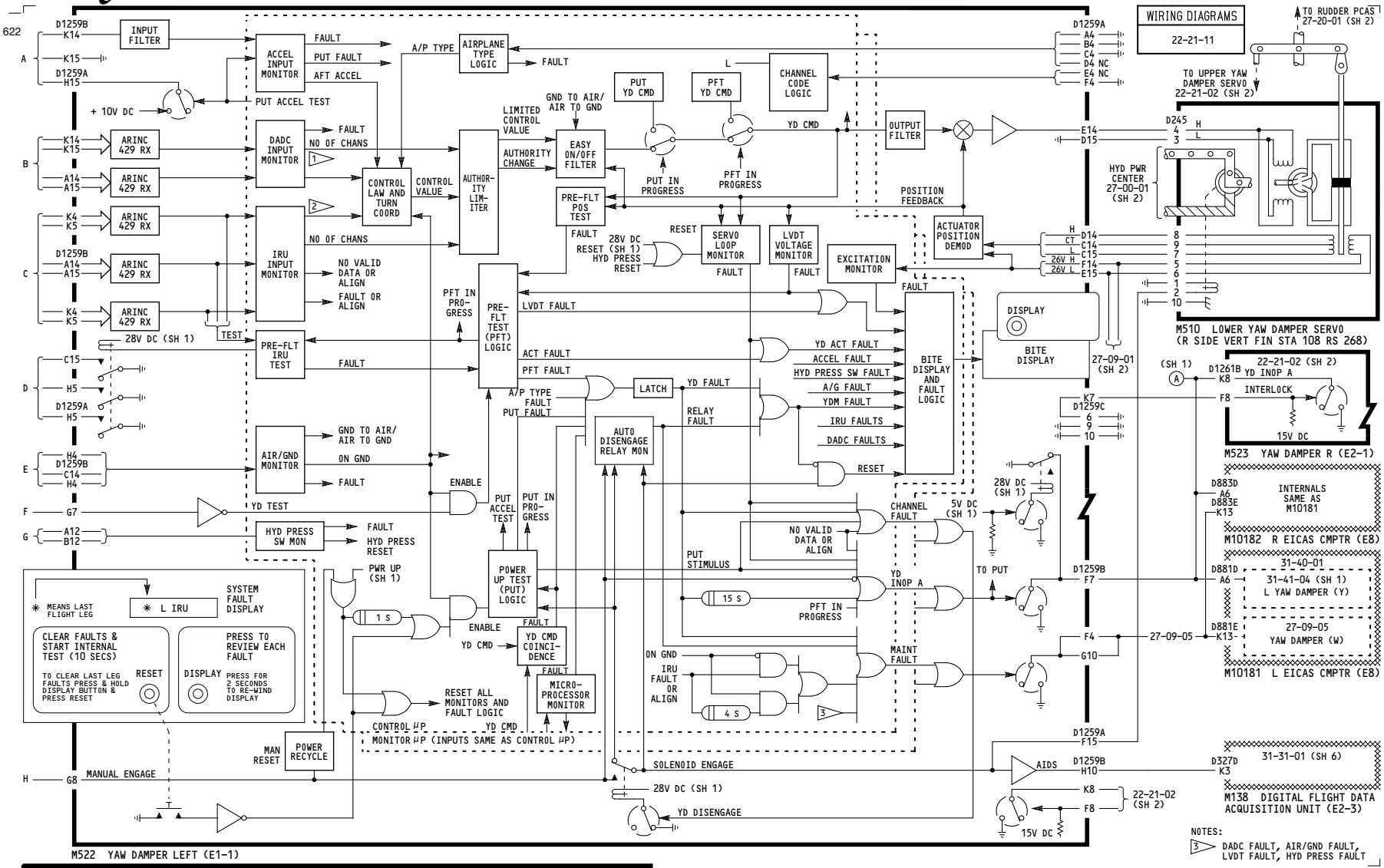


150-199	YAW DAMPER-LEFT
	D280T232



150-199

YAW DAMPER-LEFT

D280T232

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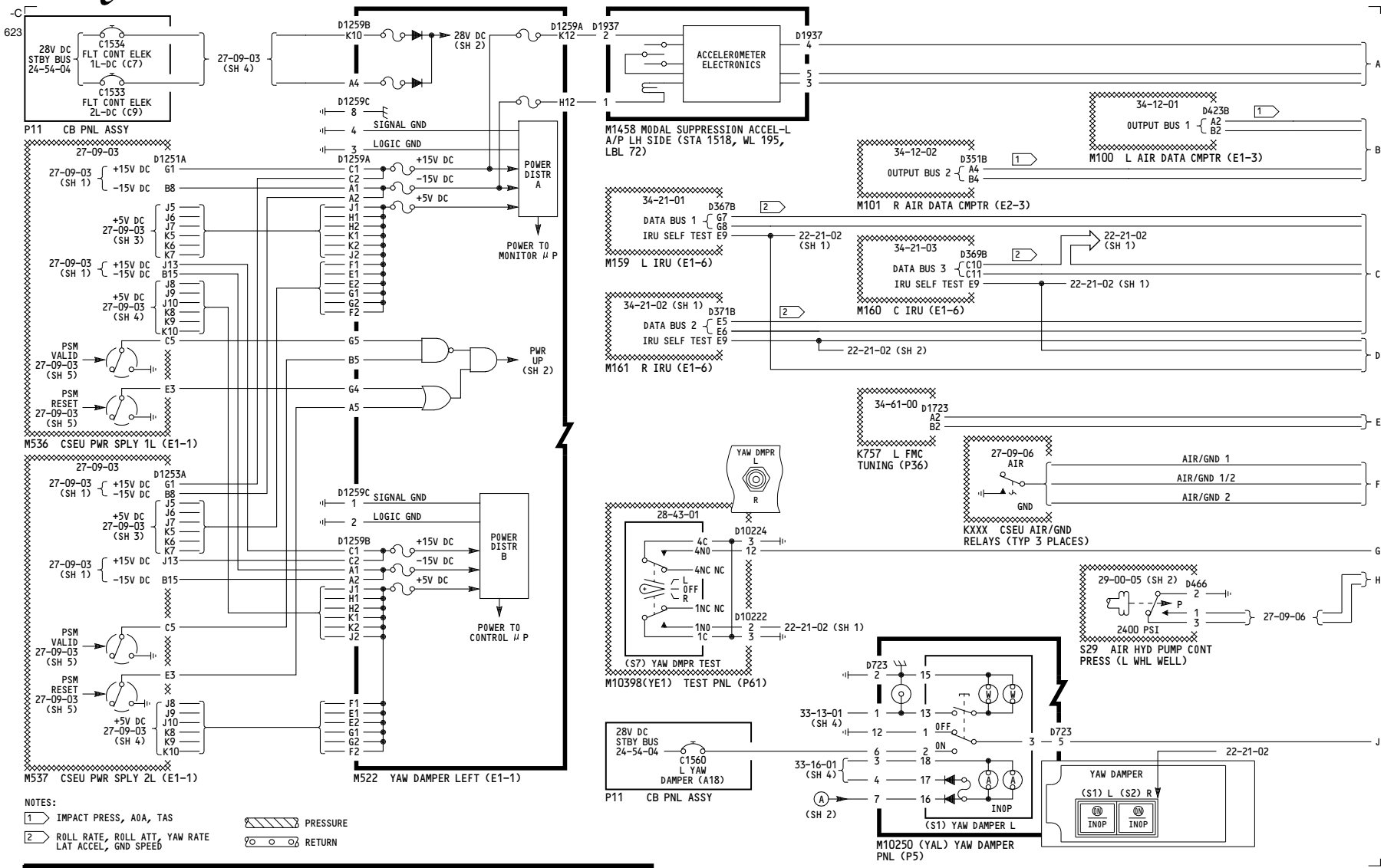

150-280	**YAW DAMPER-LEFT**	Incorporates 22-0062
	D280T232	

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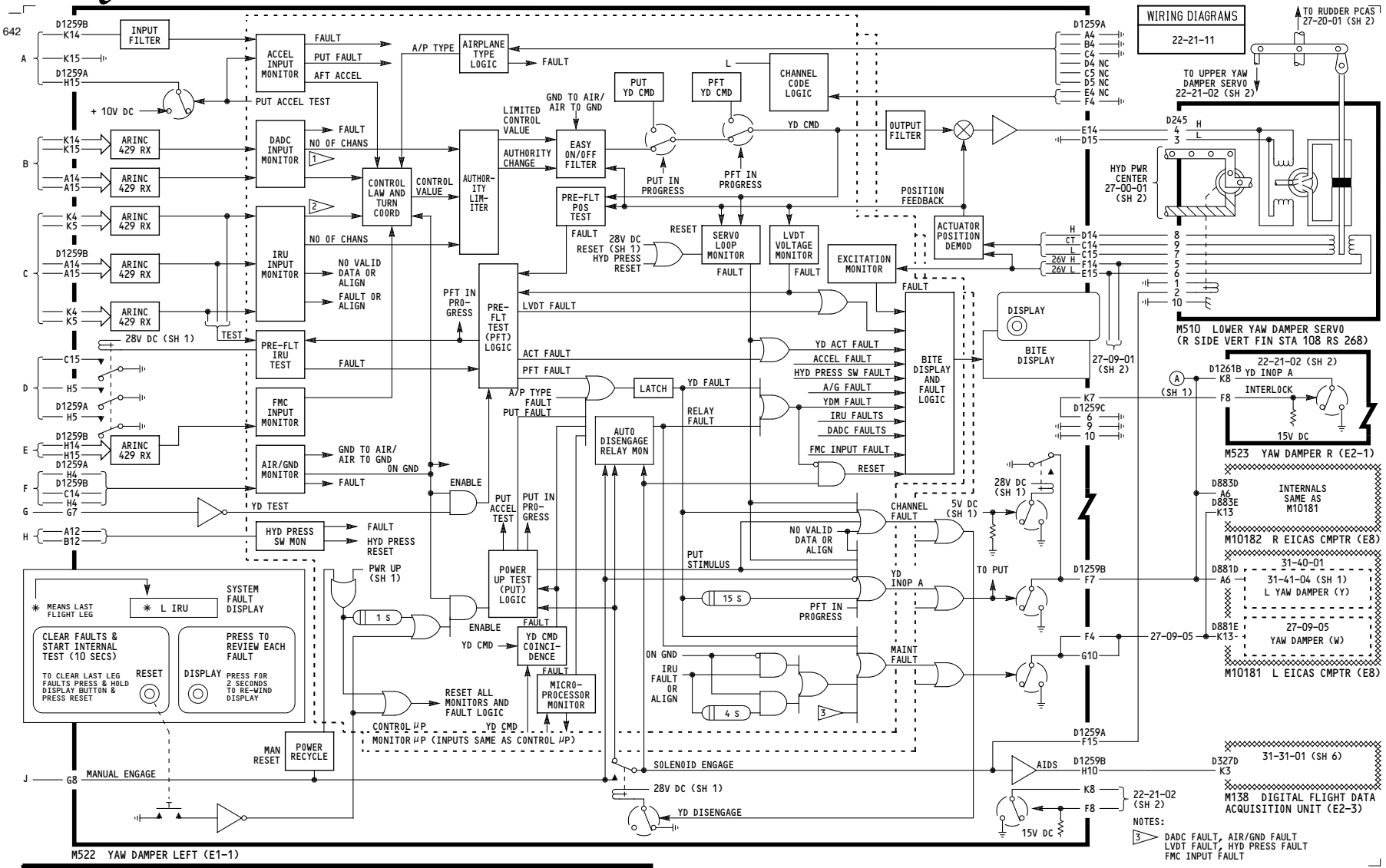

150-280

YAW DAMPER-LEFT

Incorporates 22-0062

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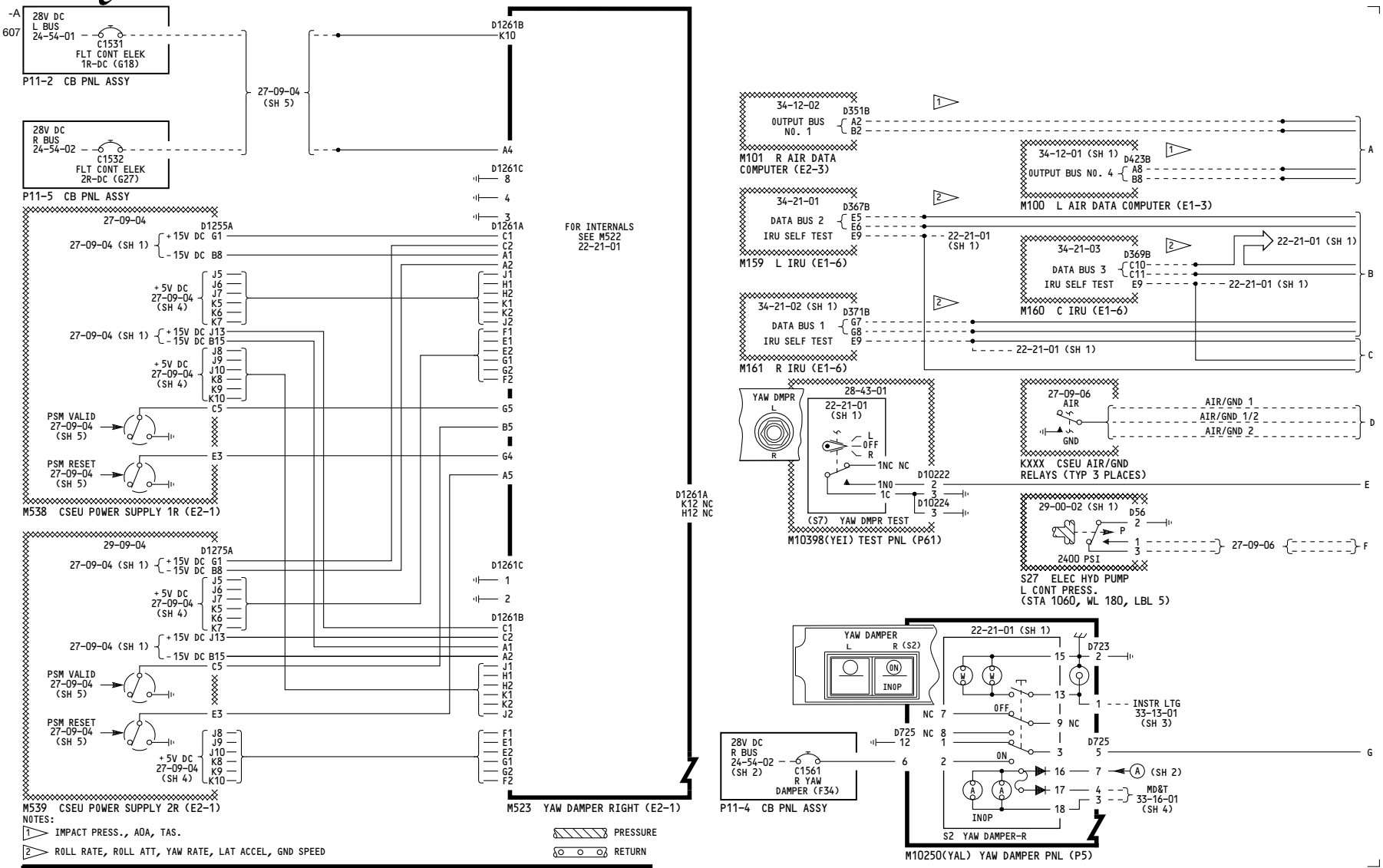


050-099

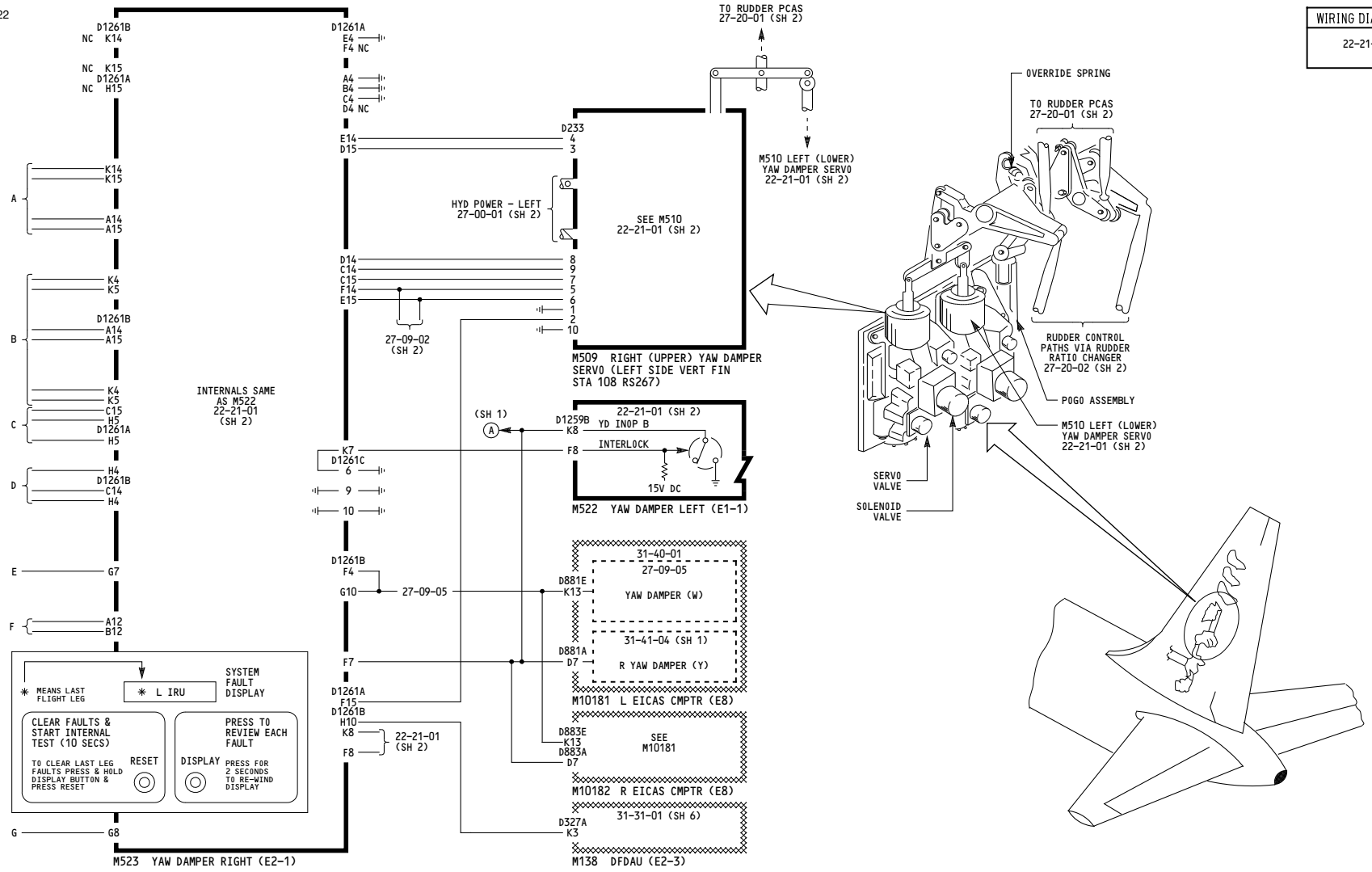
YAW DAMPER-RIGHT

D280T232

22-21-02

622

WIRING DIAGRAMS
22-21-21



050-099

YAW DAMPER-RIGHT

D280T232

22-21-02

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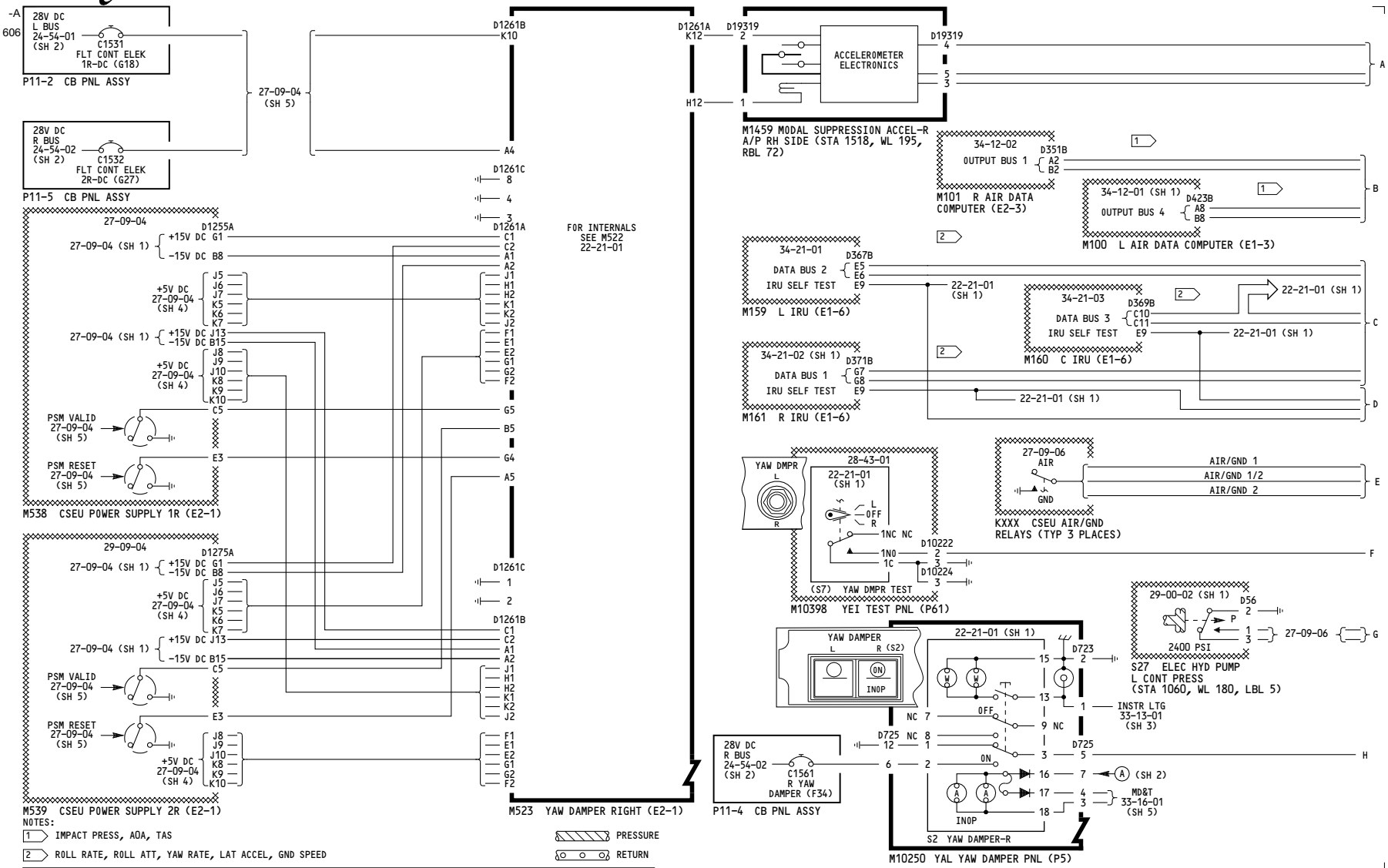

150-199	**YAW DAMPER-RIGHT**
	D280T232

22-21-02

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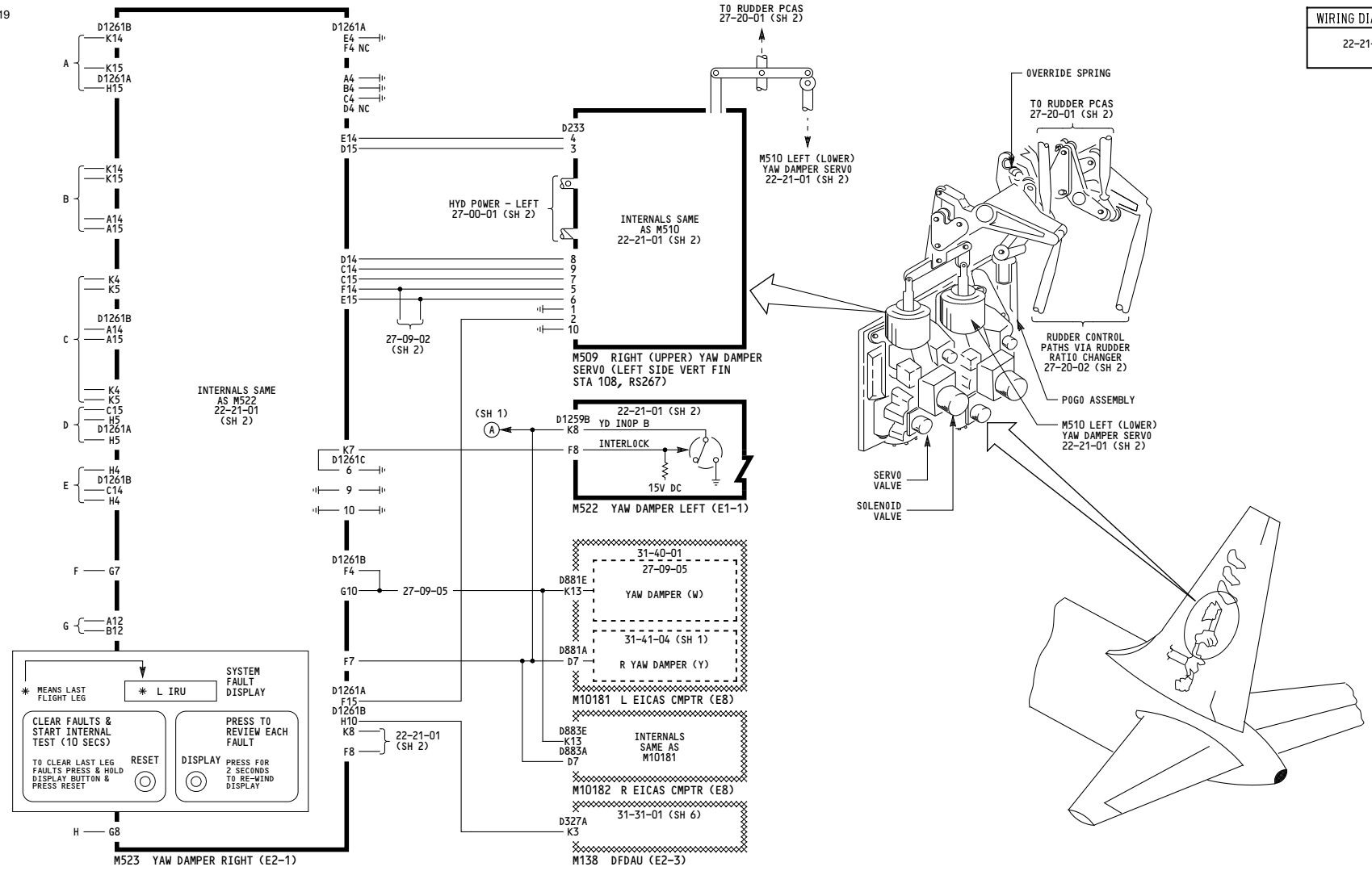
WIRING DIAGRAMS
22-21-21



150-199	**YAW DAMPER-RIGHT**
	D280T232

22-21-02

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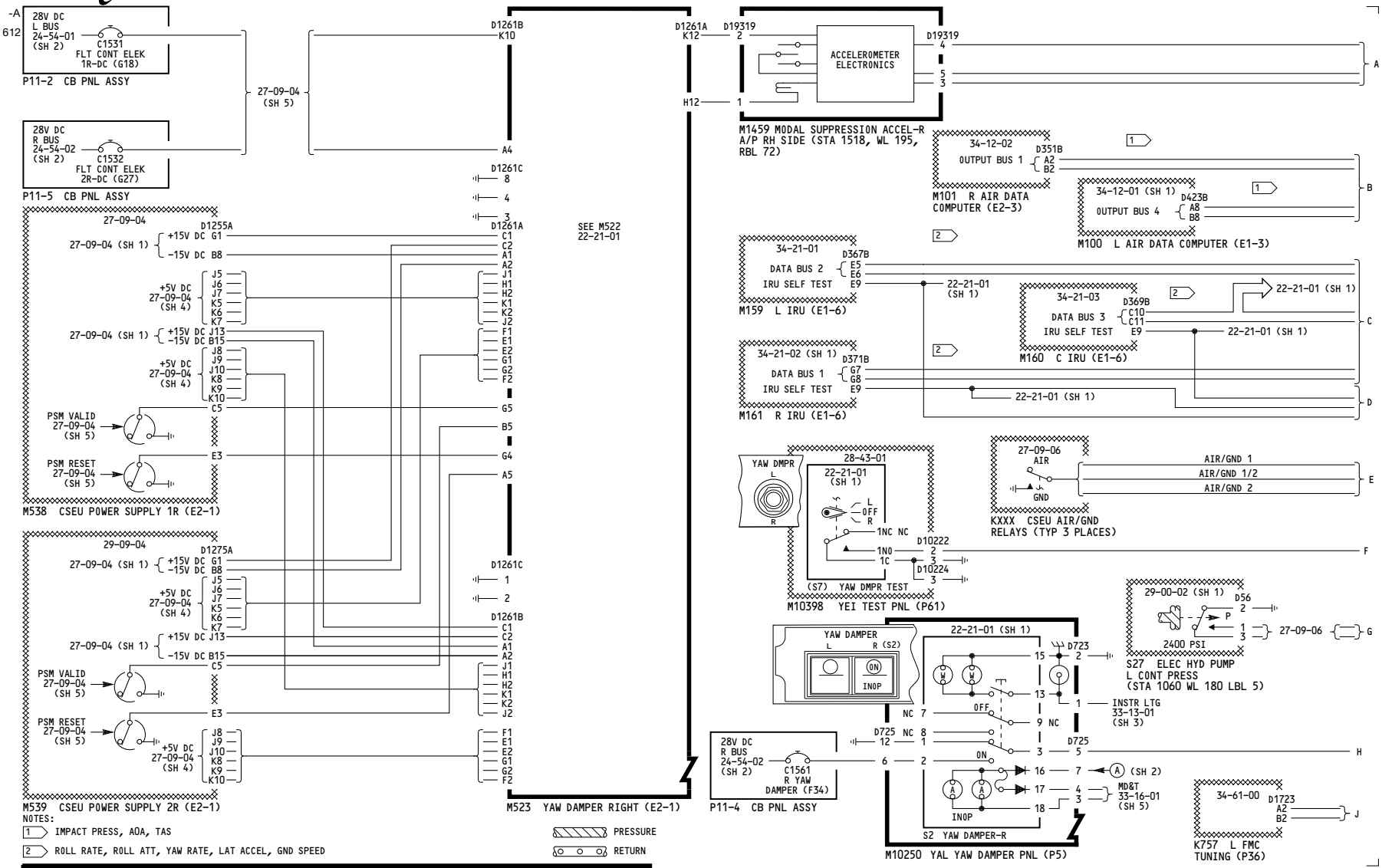

150-280	**YAW DAMPER-RIGHT**	D280T232

Incorporates
22-0062

22-21-02

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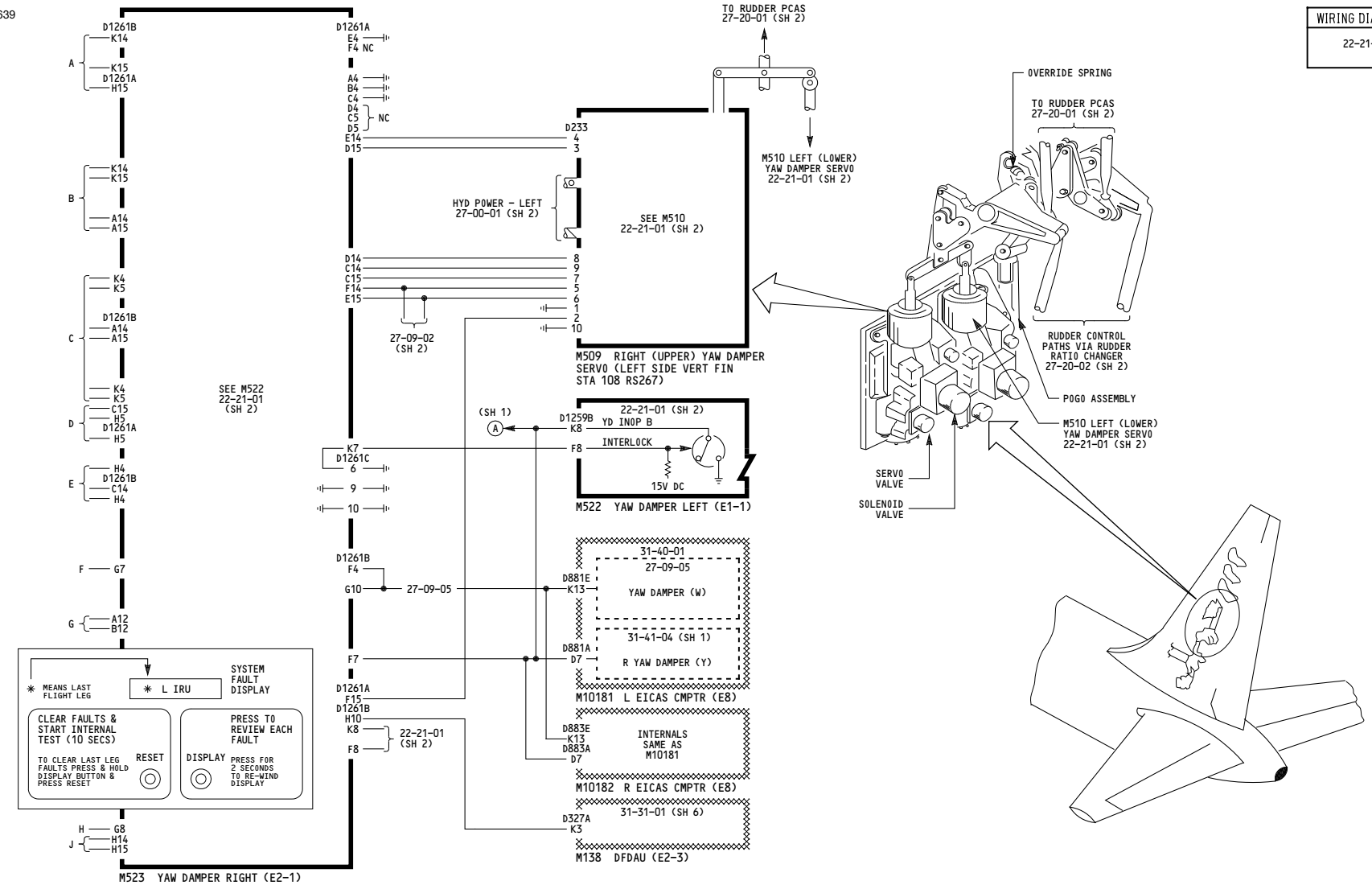
WIRING DIAGRAMS
22-21-21



150-280	**YAW DAMPER-RIGHT**	Incorporates 22-0062
	D280T232	

22-21-02

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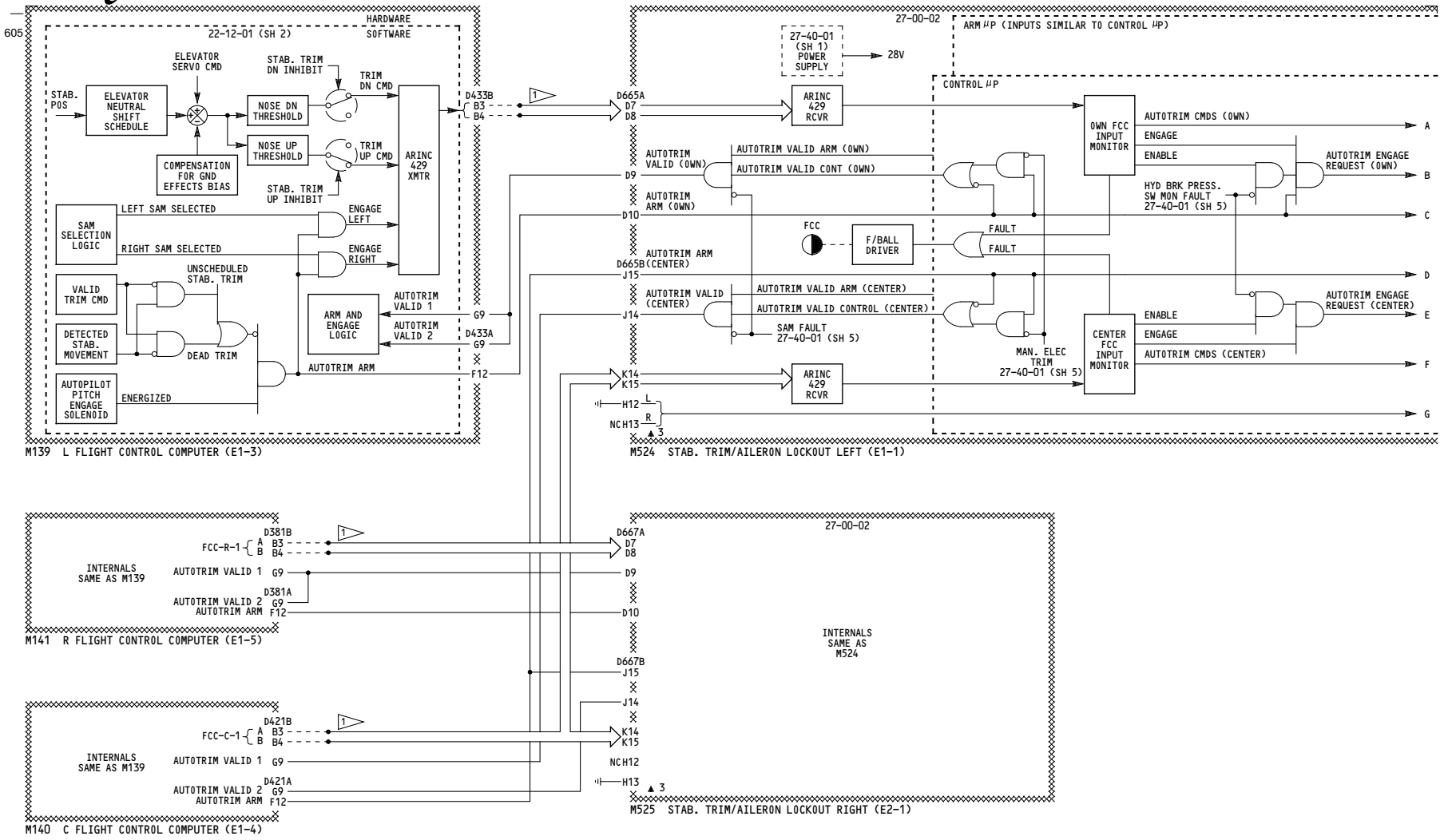
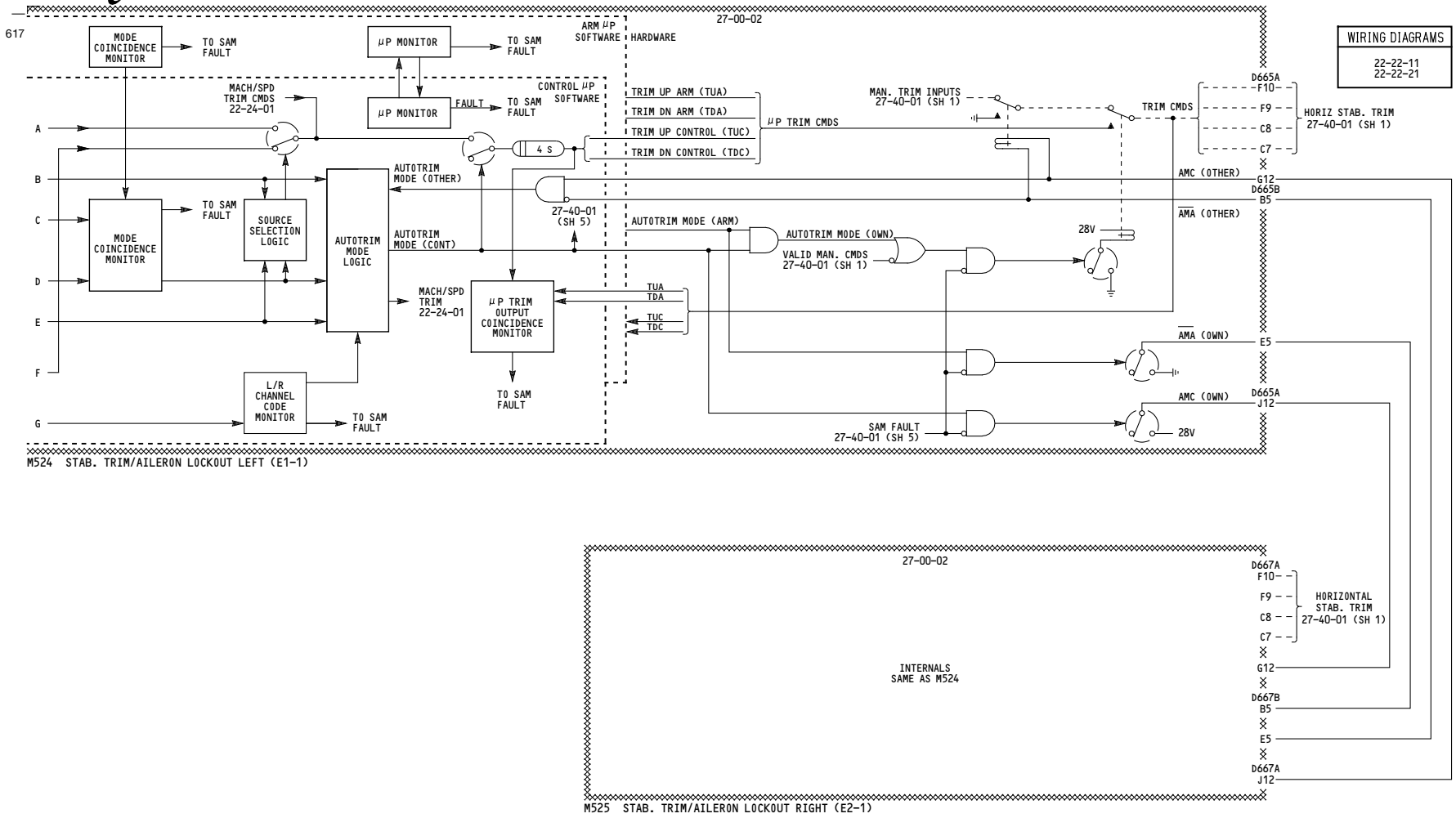
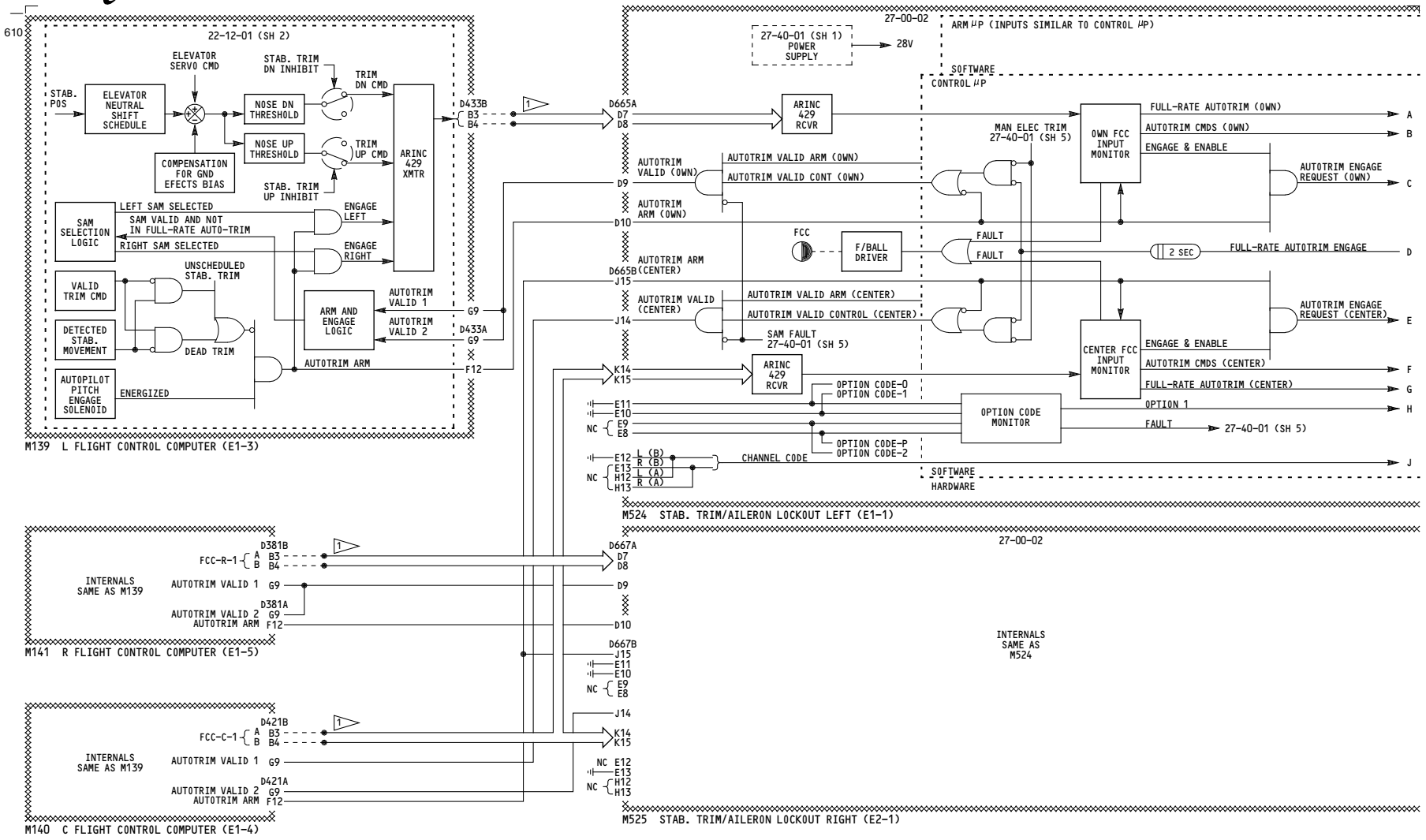


NOTES:

1 TRIM UP CMD, TRIM DN CMD, ENGAGE LEFT, ENGAGE RIGHT





NOTES:

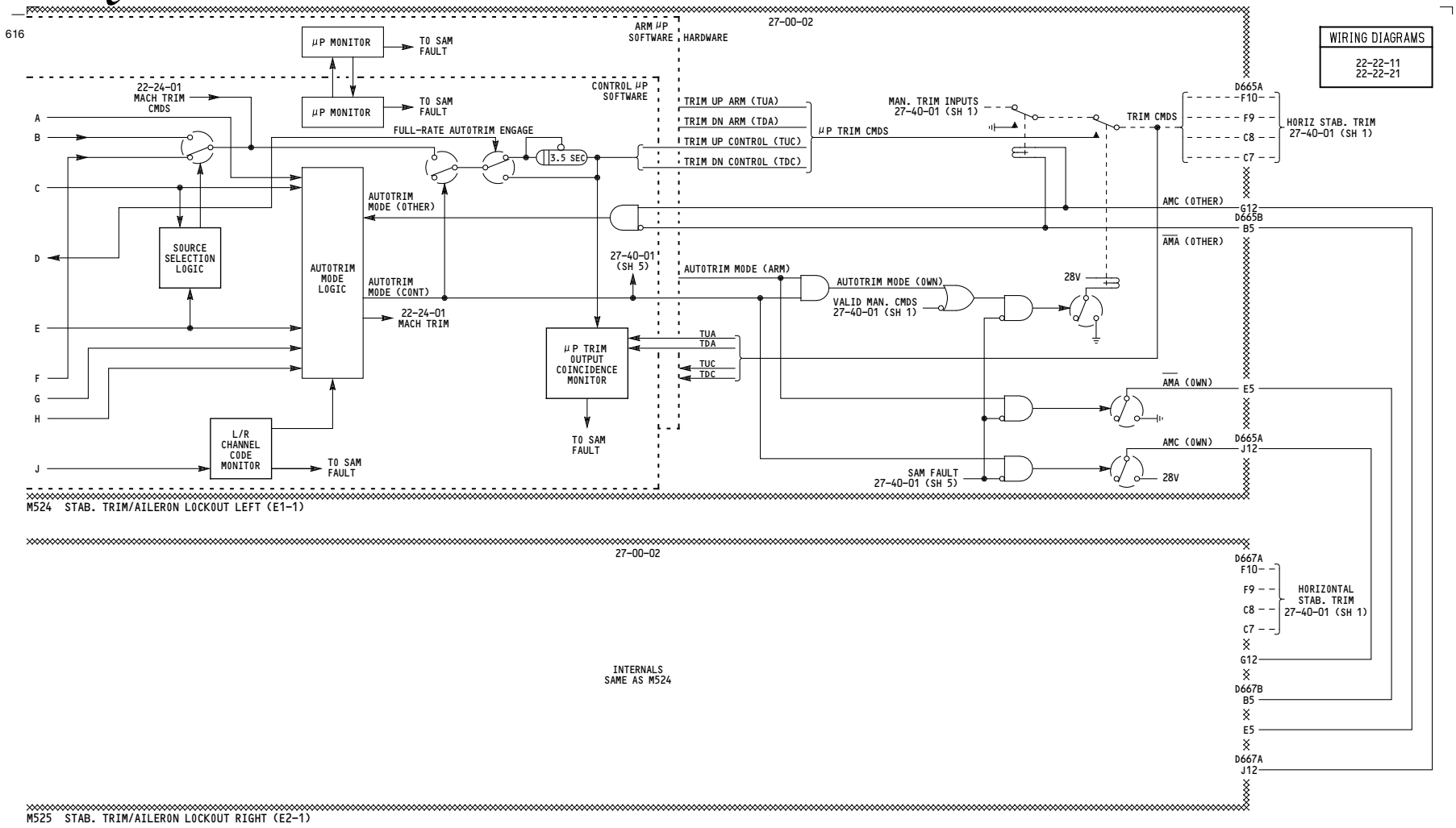
1 TRIM UP CMD, TRIM DN CMD, ENGAGE LEFT, ENGAGE RIGHT

150-199, 275-299

AUTOMATIC STABILIZER TRIM

D280T232

22-22-01



150-199, 275-299	AUTOMATIC STABILIZER TRIM	22-22-01
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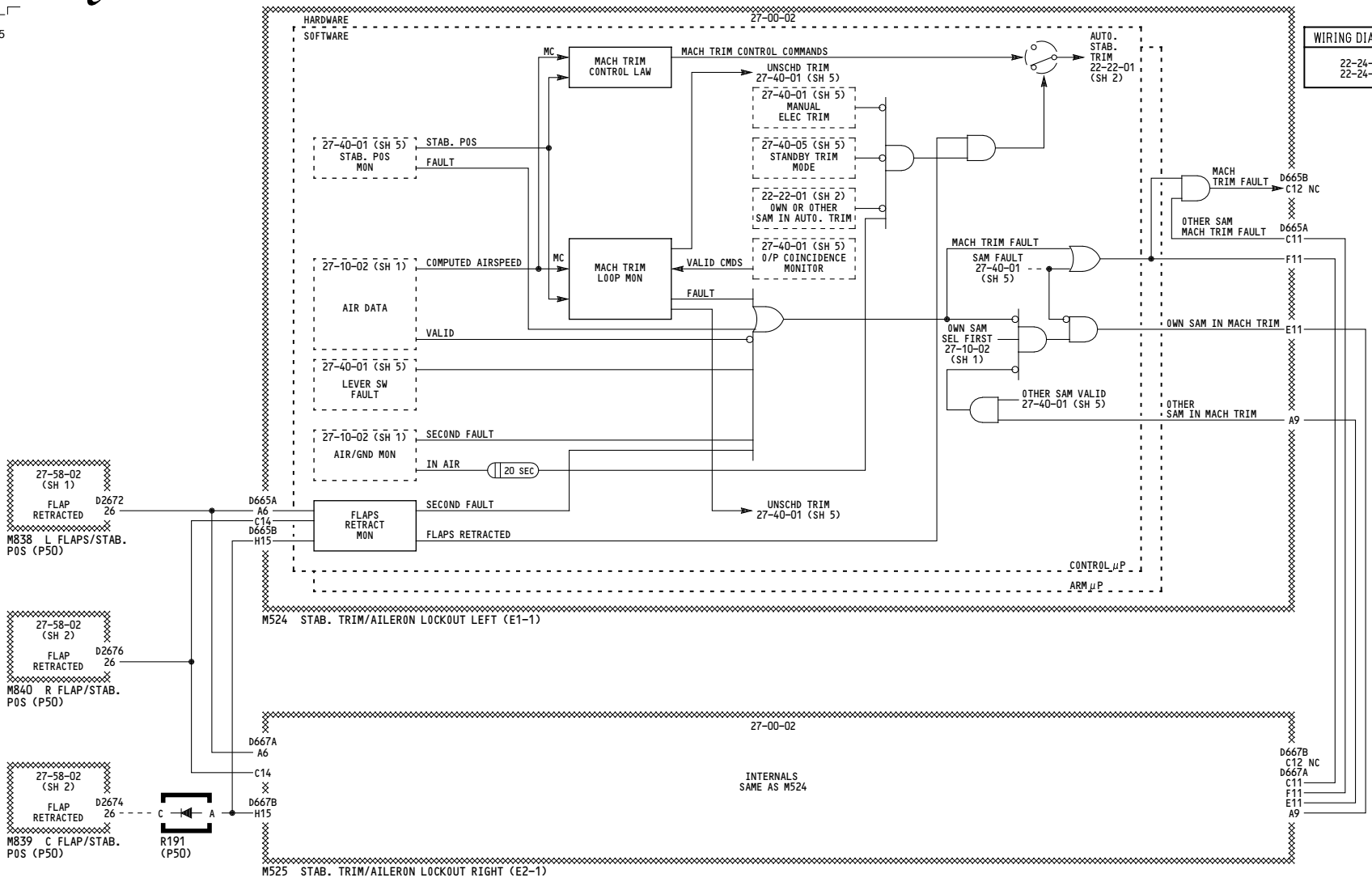
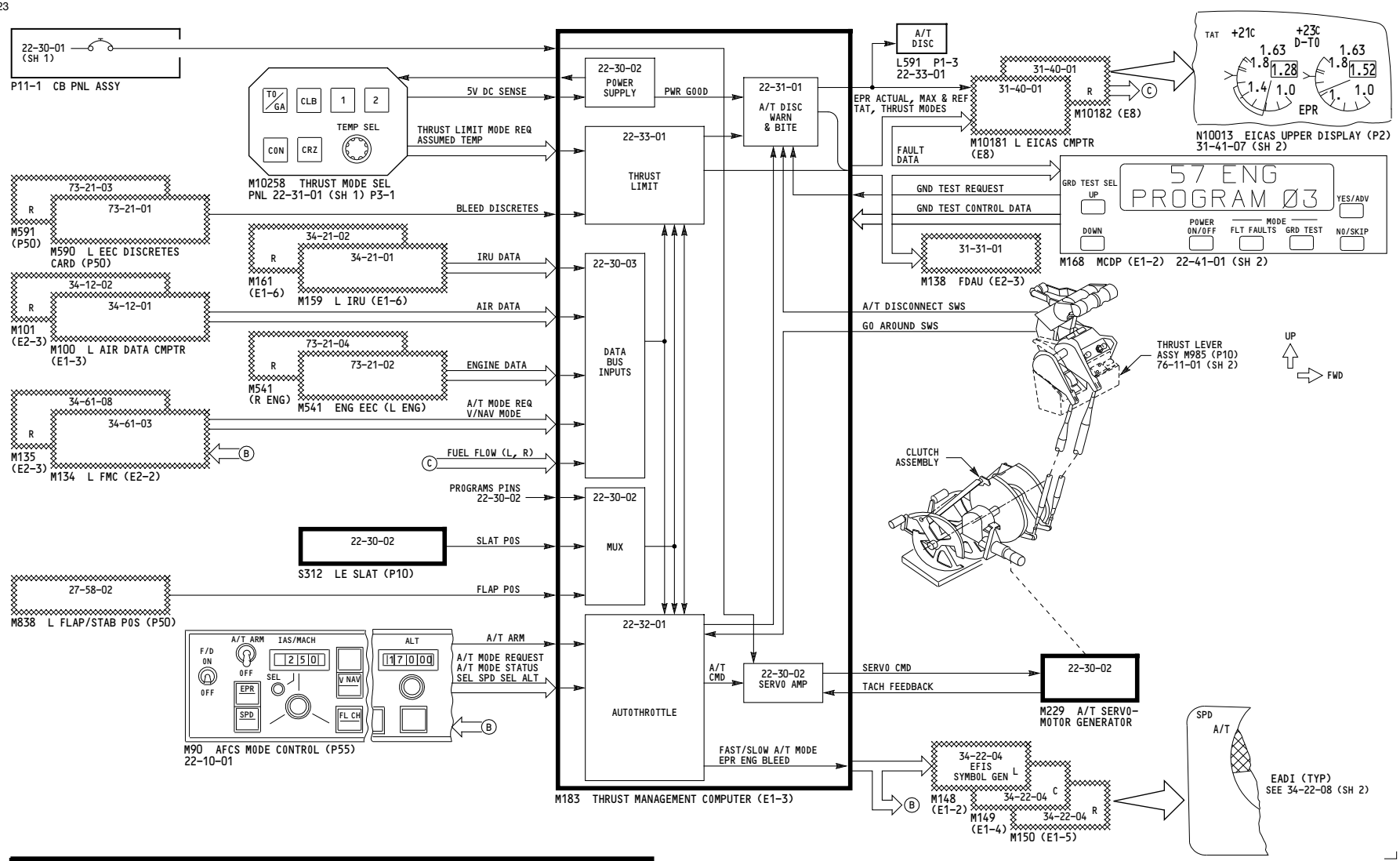
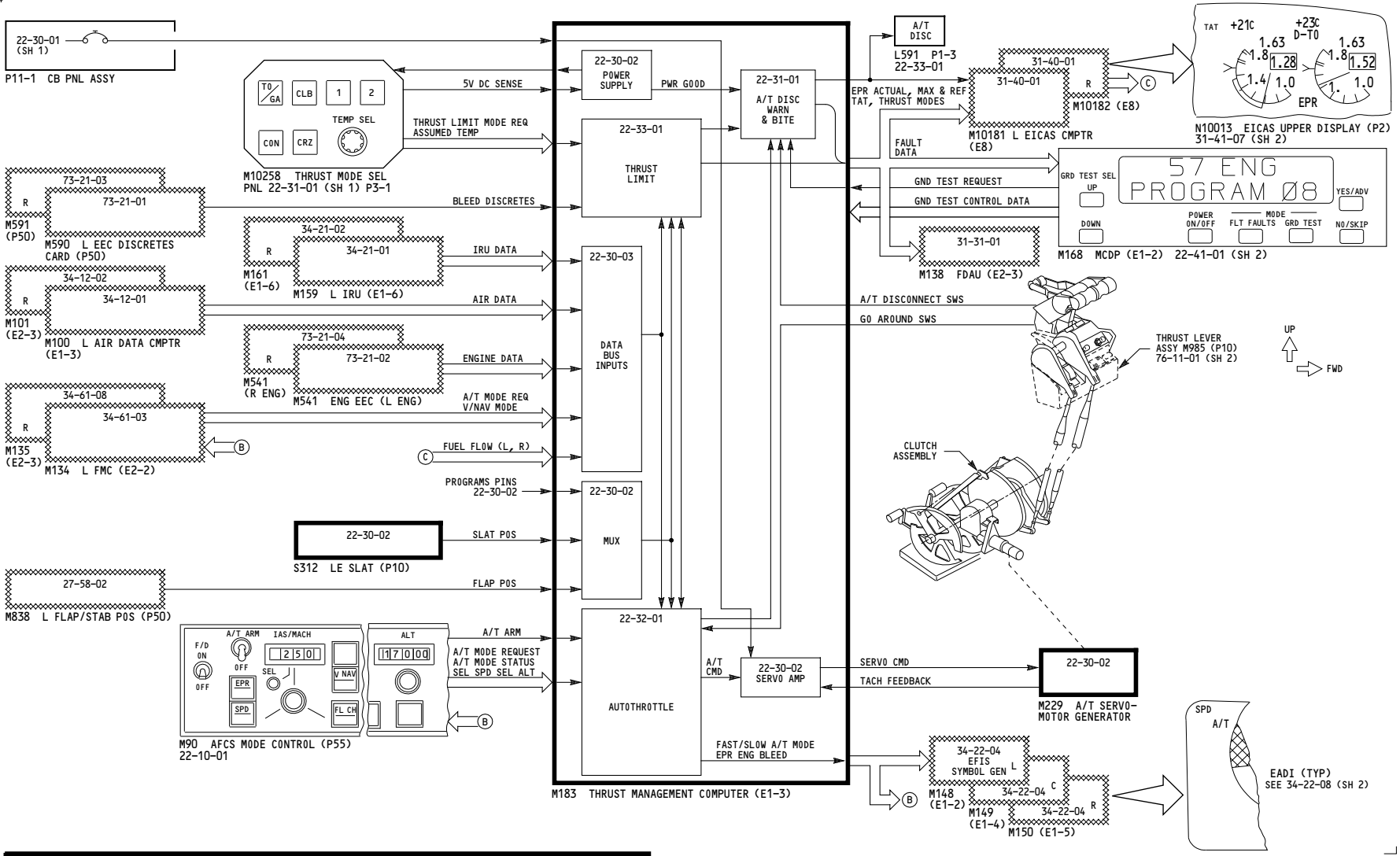


ALL	MACH TRIM
	D280T232



ALL	THRUST MANAGEMENT COMPUTER
	D280T232



050	**THRUST MANAGEMENT COMPUTER**	Incorporates 72-0037
	D280T232	

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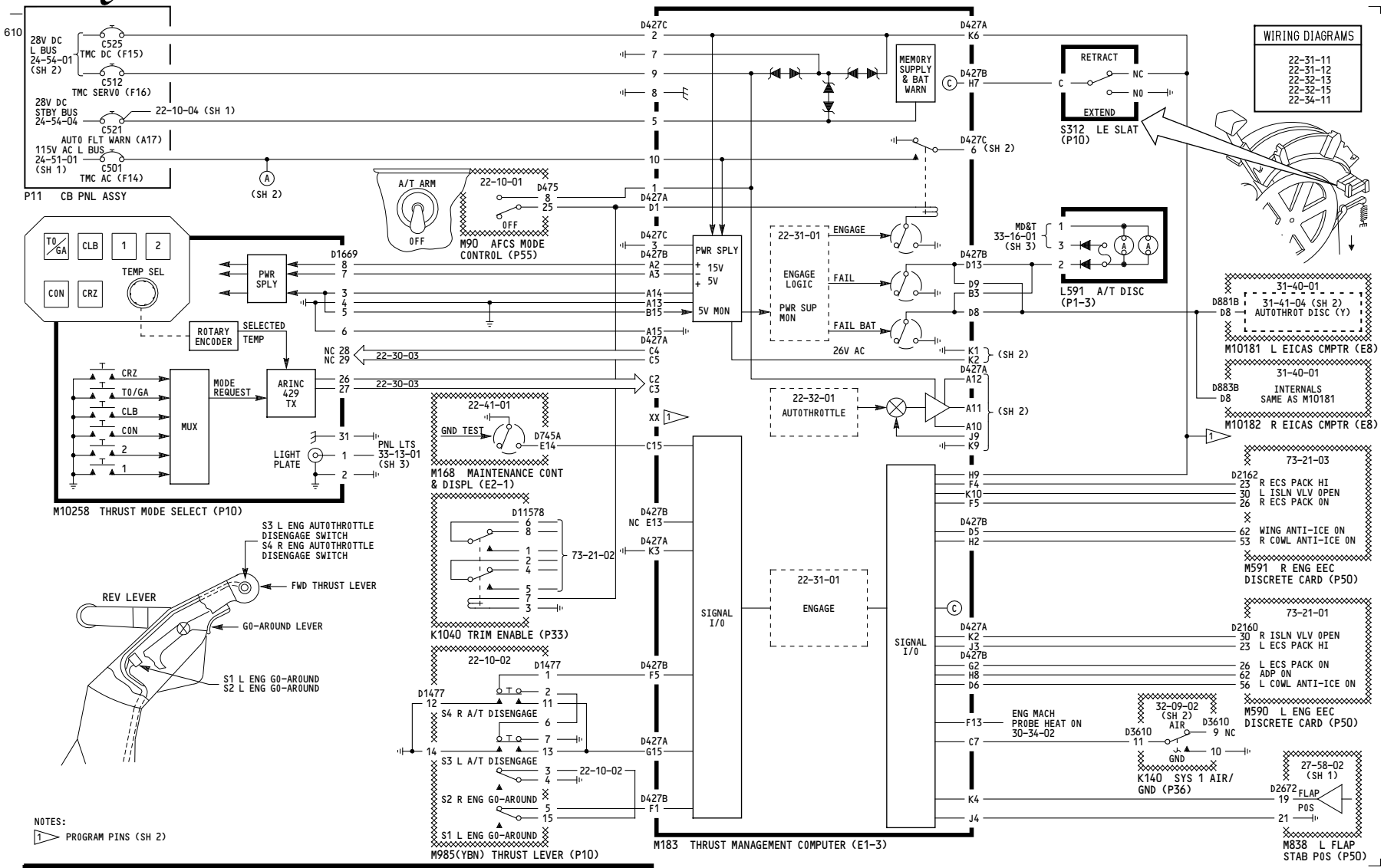

050-099	THRUST MANAGEMENT COMPUTER ANALOG INTERFACE	
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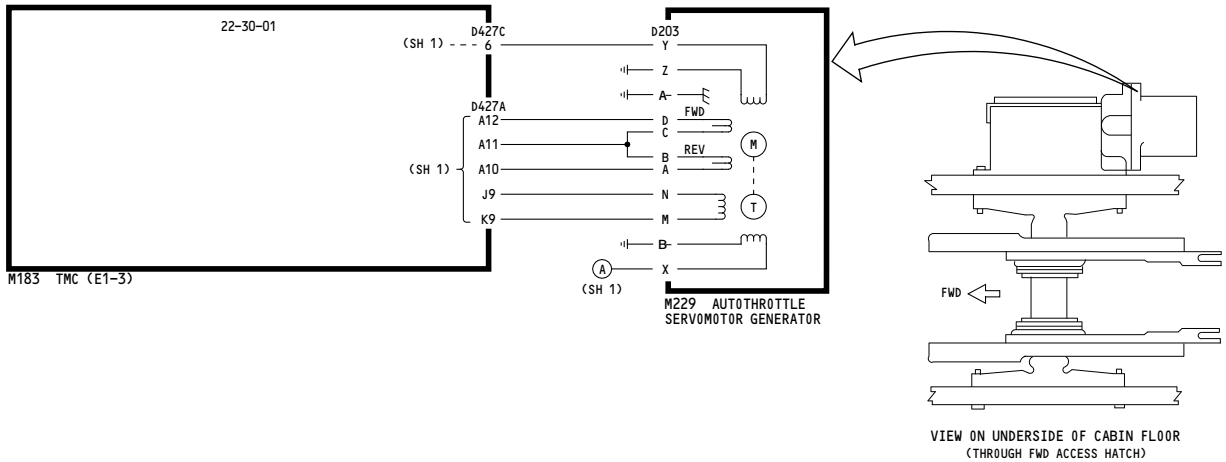

WIRING DIAGRAMS
22-31-11 22-32-14 22-33-11 22-34-11

PROGRAM PIN	PIN D427X	STATE	PROGRAM AS CONNECTED	CODE
	B E8	GND	TMC ENGINE TYPE	0
ENG PP 1	B D10	NC	PW-4056	1
ENG PP 2	B F6	GND	PW-4056	0
ENG PP 3	B G11	NC	PW-4056	1
ENG PP 4	B C1	GND	PW-4056	0
ENG PP 5	A E15	GND	PW-4056	0
THR LIM CUST OPT 1	A F7	28V DC	DERATES IN TAKEOFF AND CLIMB	1
THR LIM CUST OPT 2	A F9	28V AC	DERATES IN TAKEOFF AND CLIMB	1
THR LIM CUST OPT 3	A K5	28V DC	DERATES IN TAKEOFF AND CLIMB	1
THR LIM CUST OPT 4	B H10	28V DC	DERATES IN TAKEOFF AND CLIMB	1
ENG & THRUST LIM PARITY	A D13	NC	ODD PARITY	1
A/T CUST OPT 1	A J10	28V DC	ACOPT 5 [1]	1
A/T CUST OPT 2	A H6	28V DC	ACOPT 5 [1]	1
A/T CUST OPT 3	A F3	GND	ACOPT 5 [1]	0
A/T CUST OPT 4	A J12	GND	ACOPT 5 [1]	0
APL PP 1	B F2	NC	767-200ER	1
APL PP 2	B F4	NC	767-200ER	1
APL PP 3	A B11	NC	767-200ER	1
APL PP 4	A E14	GND	767-200ER	0
A/T & APL PARITY	A H15	NC	ODD PARITY	1
CUST OPT 1	A D12	GND	PART TIME FAST SLOW	0
CUST OPT 2	A D10	GND	PART TIME FAST SLOW	0
CUST OPT 3	A G8	NC	PART TIME FAST SLOW	1
CUST OPT 4	A D11	GND	PART TIME FAST SLOW	0
CUST OPT 5	A C11	GND	PART TIME FAST SLOW	0
	B E10	GND	BAUD RATE	0
	B J1	GND	OS INTERRUPT SVC	0
	B E2	GND	OP INTERRUPT SVC	0

NOTES:
[1] ALLOW OVERRIDE OF VNAV THRUST MODES. ABOVE 400FT PROVIDE FLAP PLACARD PROTECTION AND CLIMB THRUST LIMITS WITH SELECTION OF AUTOTHROTTLE MODE.

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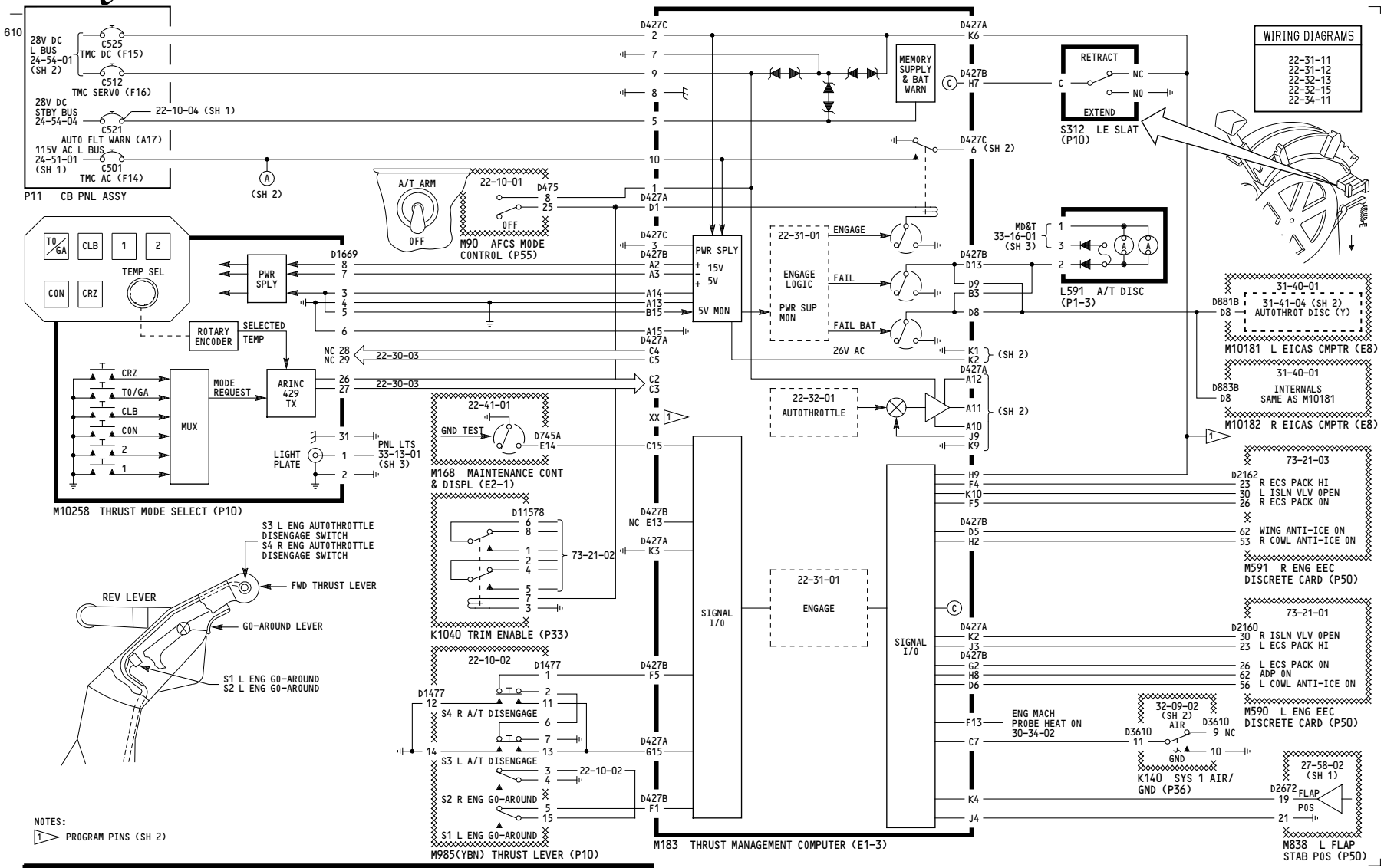
THRUST MANAGEMENT COMPUTER ANALOG INTERFACE

D280T232



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THRUST MANAGEMENT COMPUTER ANALOG INTERFACE

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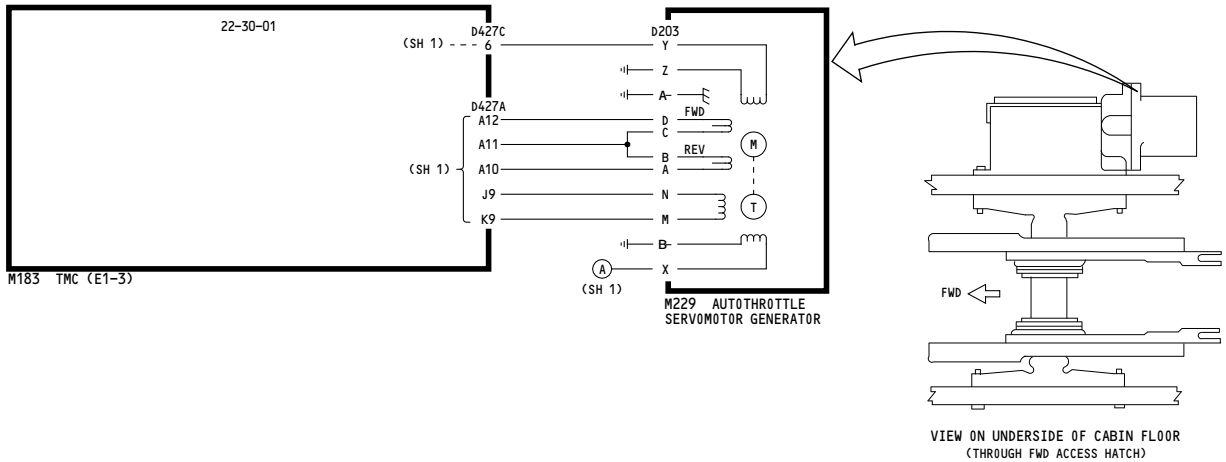

WIRING DIAGRAMS
22-31-11 22-32-14 22-33-11 22-34-11

PROGRAM PIN		PIN D427X	STATE	PROGRAM AS CONNECTED	CODE
		B E8	GND	TMC ENGINE TYPE	0
ENG PP	1	B D10	GND	PW-4060	0
	2	B F6	GND		0
	3	B G11	GND		0
	4	B C1	NC		1
	5	A E15	GND		0
THR LIM CUST OPT	1	A F7	28V DC	DERATES IN TAKEOFF AND CLIMB	1
	2	A F9	28V DC		1
	3	A K5	28V DC		1
	4	B H10	28V DC		1
ENG & THRUST LIM PARITY		A D13	GND	ODD PARITY	0
A/T CUST OPT	1	A J10	28V DC	AC OPT 5 [1]	1
	2	A H6	28V DC		1
	3	A F3	GND		0
	4	A J12	GND		0
APL PP	1	B F2	NC	767-200ER	1
	2	B F4	NC		1
	3	A B11	NC		1
	4	A E14	GND		0
A/T & APL PARITY		A H15	NC	ODD PARITY	1
CUST OPT	1	A D12	GND	PART TIME FAST SLOW	0
	2	A D10	GND		0
	3	A G8	NC		1
	4	A D11	GND		0
	5	A C11	GND		0
		B E10	GND	BAUD RATE	0
		B J1	GND	OS INTERRUPT SVC	0
		B E2	GND	OP INTERRUPT SVC	0

NOTES:
[1] ALLOW OVERRIDE OF VNAV THRUST MODES. ABOVE 400FT PROVIDE FLAP PLACARD PROTECTION AND CLIMB THRUST LIMITS WITH SELECTION OF AUTOTHROTTLE MODE.

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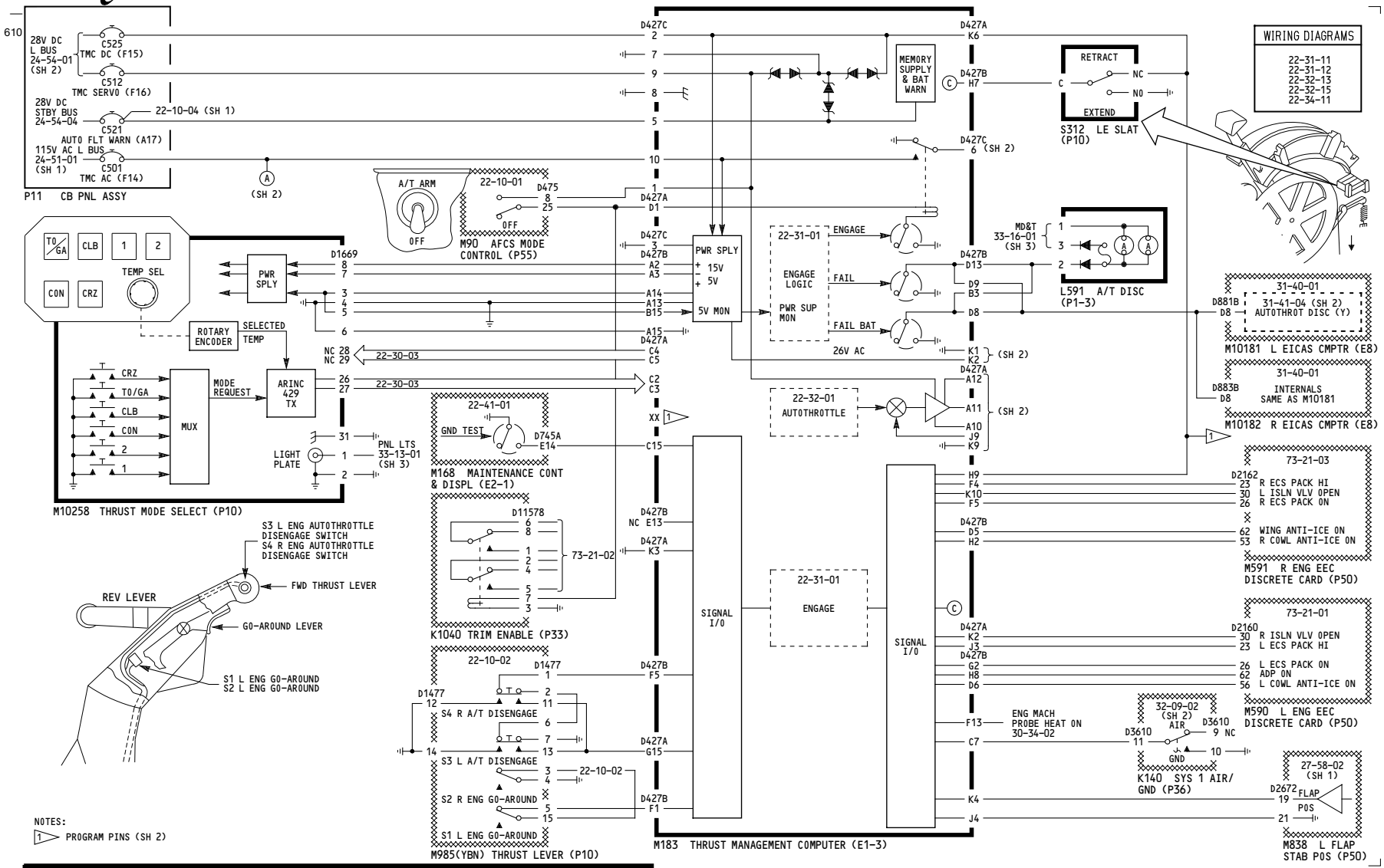
THRUST MANAGEMENT COMPUTER ANALOG INTERFACE

D280T232

Incorporates
72-0037



150-199, 280-299	**THRUST MANAGEMENT COMPUTER ANALOG INTERFACE**
	D280T232

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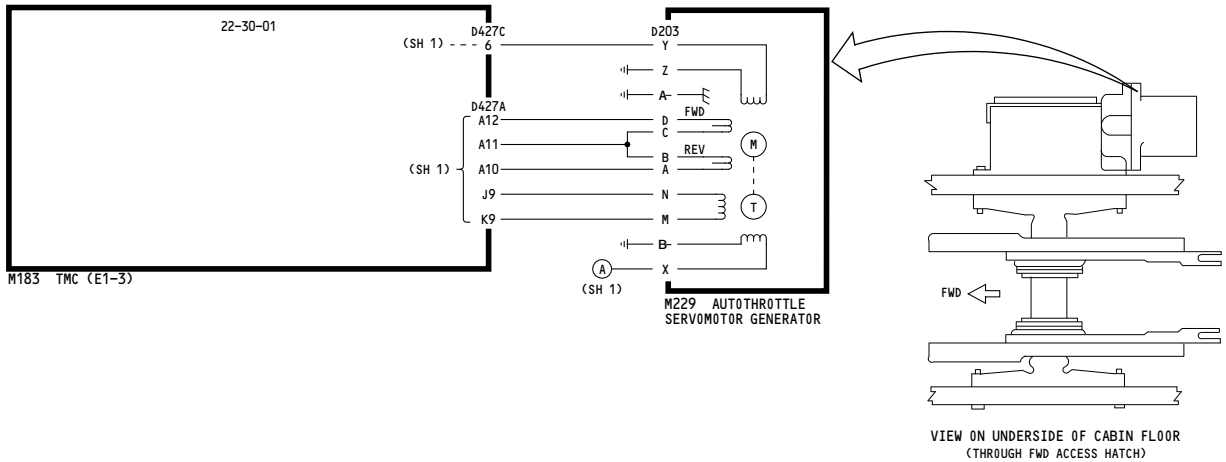
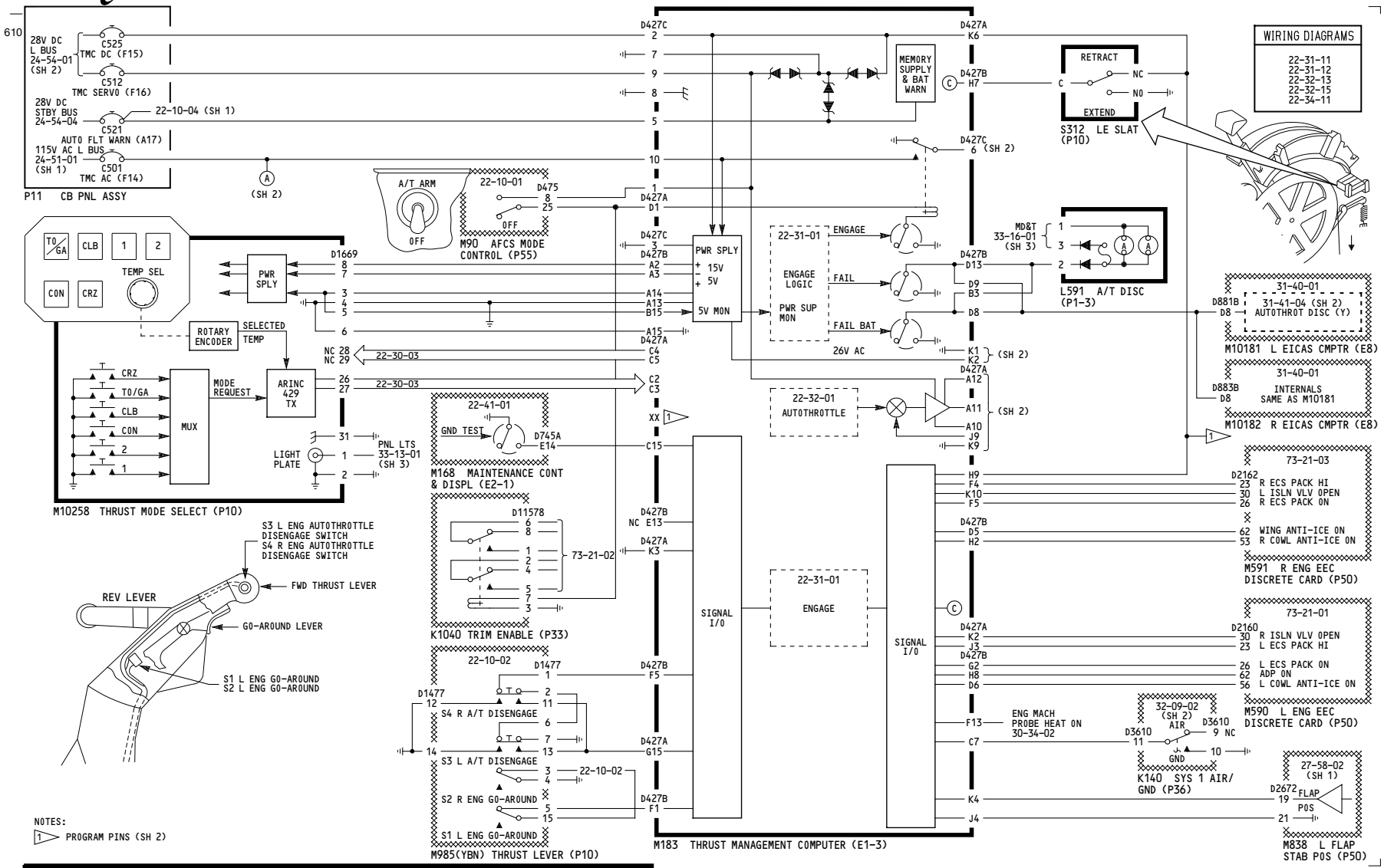


WIRING DIAGRAMS
22-31-11 22-32-14 22-33-11 22-34-11

PROGRAM PIN	PIN D427X	STATE	PROGRAM AS CONNECTED	CODE
	B E8	GND	TMC ENGINE TYPE	0
ENG PP 1	B D10	NC	PW-4000	1
ENG PP 2	B F6	GND	PW-4000	0
ENG PP 3	B G11	NC	PW-4000	1
ENG PP 4	B C1	GND	PW-4000	0
ENG PP 5	A E15	GND	PW-4000	0
THR LIM CUST OPT 1	A F7	28V DC	DERATES IN TAKEOFF AND CLIMB	1
THR LIM CUST OPT 2	A F9	GND	DERATES IN TAKEOFF AND CLIMB	0
THR LIM CUST OPT 3	A K5	28V DC	DERATES IN TAKEOFF AND CLIMB	1
THR LIM CUST OPT 4	B H10	GND	DERATES IN TAKEOFF AND CLIMB	0
ENG & THRUST LIM PARITY	A D13	GND	ODD PARITY	0
A/T CUST OPT 1	A J10	28V DC	ACOPT 5 (1)	1
A/T CUST OPT 2	A H6	28V DC	ACOPT 5 (1)	1
A/T CUST OPT 3	A F3	GND	ACOPT 5 (1)	0
A/T CUST OPT 4	A J12	GND	ACOPT 5 (1)	0
APL PP 1	B F2	GND	767-300ER,400K	0
APL PP 2	B F4	NC	767-300ER,400K	1
APL PP 3	A B11	NC	767-300ER,400K	1
APL PP 4	A E14	GND	767-300ER,400K	0
A/T & APL PARITY	A H15	NC	ODD PARITY	1
CUST OPT 1	A D12	GND	PART TIME FAST SLOW	0
CUST OPT 2	A D10	GND	PART TIME FAST SLOW	0
CUST OPT 3	A G8	NC	PART TIME FAST SLOW	1
CUST OPT 4	A D11	GND	PART TIME FAST SLOW	0
CUST OPT 5	A C11	GND	PART TIME FAST SLOW	0
	B E10	GND	BAUD RATE	0
	B J1	GND	OS INTERRUPT SVC	0
	B E2	GND	OP INTERRUPT SVC	0

NOTES:
(1) ALLOW OVERRIDE OF VNAV THRUST MODES. ABOVE 400FT PROVIDE FLAP PLACARD PROTECTION AND CLIMB THRUST LIMITS WITH SELECTION OF AUTOTHROTTLE MODE.

150-199, 280-299	THRUST MANAGEMENT COMPUTER ANALOG INTERFACE
	D280T232



165, 167	**THRUST MANAGEMENT COMPUTER ANALOG INTERFACE**
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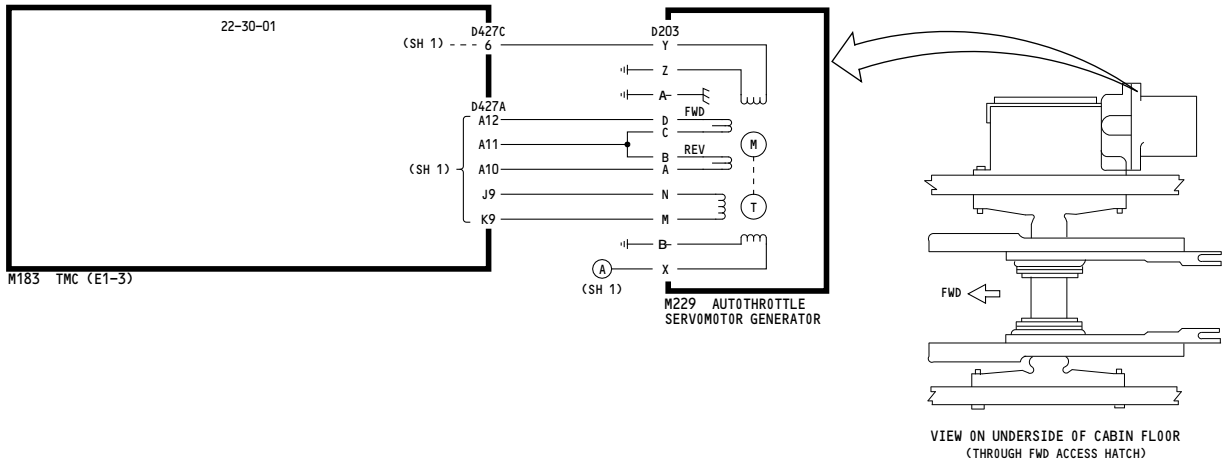

WIRING DIAGRAMS

22-31-11
22-32-14
22-33-11
22-34-11

PROGRAM PIN	PIN D427X	STATE	PROGRAM AS CONNECTED	CODE
	B E8	GND	TMC ENGINE TYPE	0 0
ENG PP 1	B D10	GND	PW-4062	
ENG PP 2	B F6	NC		1
ENG PP 3	B G11	GND		0
ENG PP 4	B C1	NC		1
ENG PP 5	A E15	GND		0
ENG PP 6	A D13	NC		1
THR LIM CUST OPT 1	A F7	28V DC	DERATES IN TAKEOFF AND CLIMB	1
THR LIM CUST OPT 2	A F9	GND		0
THR LIM CUST OPT 3	A K5	28V DC		1
THR LIM CUST OPT 4	B H10	GND		0
ENG & THRUST LIM PARITY	A D13	GND	ODD PARITY	0
A/T CUST OPT 1	A J10	28V DC	ACOPT 5 [1]	1
A/T CUST OPT 2	A H6	28V DC		1
A/T CUST OPT 3	A F3	GND		0
A/T CUST OPT 4	A J12	GND		0
APL PP 1	B F2	GND	767-300ER,400K	0
APL PP 2	B F4	NC		1
APL PP 3	A B11	NC		1
APL PP 4	A E14	GND		0
A/T & APL PARITY	A H15	NC	ODD PARITY	1
CUST OPT 1	A D12	GND	PART TIME FAST SLOW	0
CUST OPT 2	A D10	GND		0
CUST OPT 3	A G8	NC		1
CUST OPT 4	A D11	GND		0
CUST OPT 5	A C11	GND		0
	B E10	GND	BAUD RATE	0
	B J1	GND	OS INTERRUPT SVC	0
	B E2	GND	OP INTERRUPT SVC	0

NOTES:

[1] ALLOW OVERRIDE OF VNAV THRUST MODES. ABOVE 400FT PROVIDE FLAP PLACARD PROTECTION AND CLIMB THRUST LIMITS WITH SELECTION OF AUTOTHROTTLE MODE.

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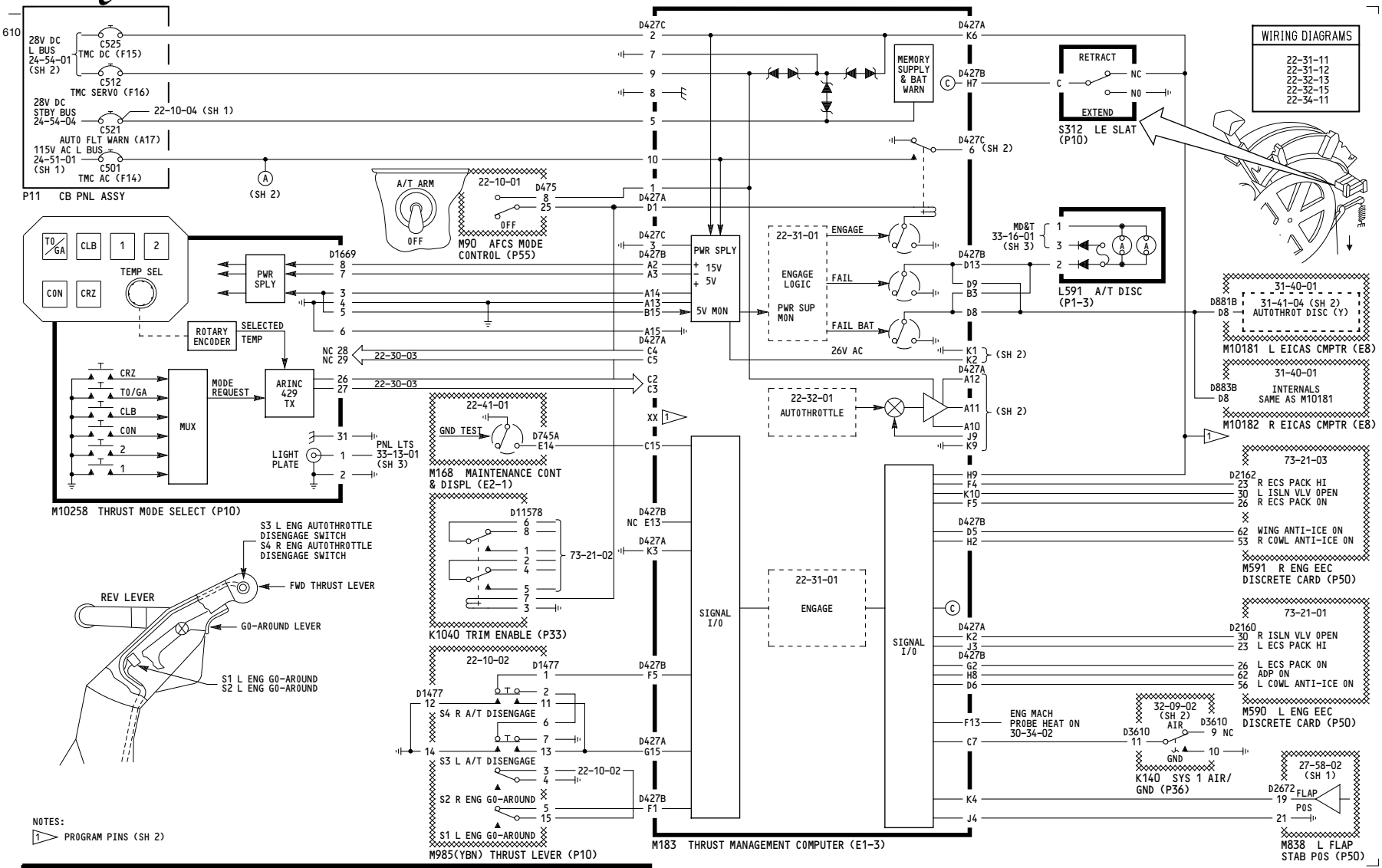
THRUST MANAGEMENT COMPUTER ANALOG INTERFACE

D280T232

Incorporates
71-0118



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THRUST MANAGEMENT COMPUTER ANALOG INTERFACE

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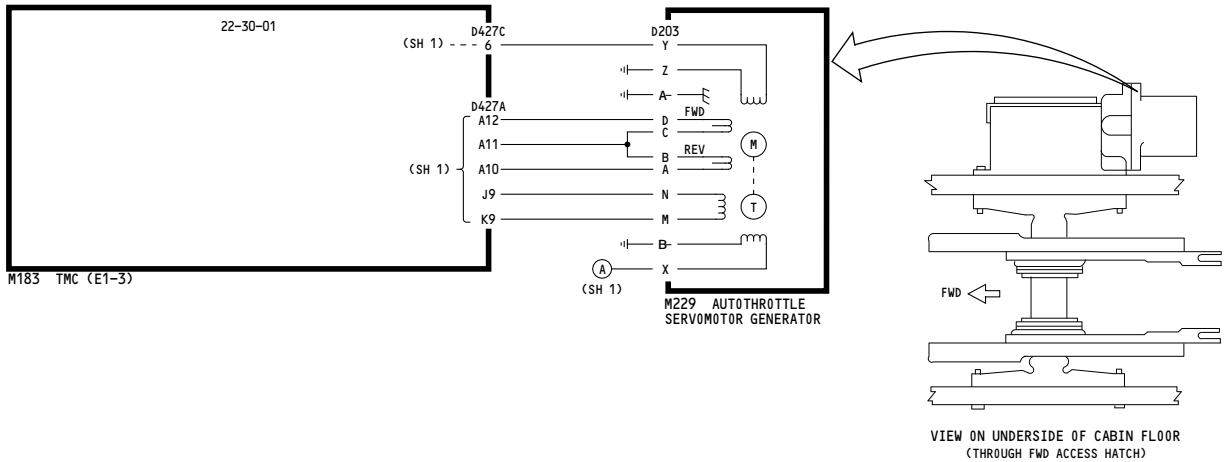

WIRING DIAGRAMS
22-31-11 22-32-14 22-33-11 22-34-11

PROGRAM PIN	PIN D427X	STATE	PROGRAM AS CONNECTED	CODE
	B E8	GND	TMC ENGINE TYPE	0
ENG PP 1	B D10	GND	PW-4062	0
ENG PP 2	B F6	NC		1
ENG PP 3	B G11	GND		0
ENG PP 4	B C1	NC		1
ENG PP 5	A E15	GND		0
ENG PP 6	A D13	NC		1
THR LIM CUST OPT 1	A F7	28V DC	DERATES IN TAKEOFF AND CLIMB	1
THR LIM CUST OPT 2	A F9	GND		0
THR LIM CUST OPT 3	A K5	28V DC		1
THR LIM CUST OPT 4	B H10	GND		0
ENG & THRUST LIM PARITY	A D13	GND	ODD PARITY	0
A/T CUST OPT 1	A J10	28V DC	ACOPT 5 [1]	1
A/T CUST OPT 2	A H6	28V DC		1
A/T CUST OPT 3	A F3	GND		0
A/T CUST OPT 4	A J12	GND		0
APL PP 1	B F2	GND	767-300ER,400K	0
APL PP 2	B F4	NC		1
APL PP 3	A B11	NC		1
APL PP 4	A E14	GND		0
A/T & APL PARITY	A H15	NC	ODD PARITY	1
CUST OPT 1	A D12	GND	PART TIME FAST SLOW	0
CUST OPT 2	A D10	GND		0
CUST OPT 3	A G8	NC		1
CUST OPT 4	A D11	GND		0
CUST OPT 5	A C11	GND		0
	B E10	GND	BAUD RATE	0
	B J1	GND	OS INTERRUPT SVC	0
	B E2	GND	OP INTERRUPT SVC	0

NOTES:
[1] ALLOW OVERRIDE OF VNAV THRUST MODES. ABOVE 400FT PROVIDE FLAP PLACARD PROTECTION AND CLIMB THRUST LIMITS WITH SELECTION OF AUTOTHROTTLE MODE.

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THRUST MANAGEMENT COMPUTER ANALOG INTERFACE

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Incorporates
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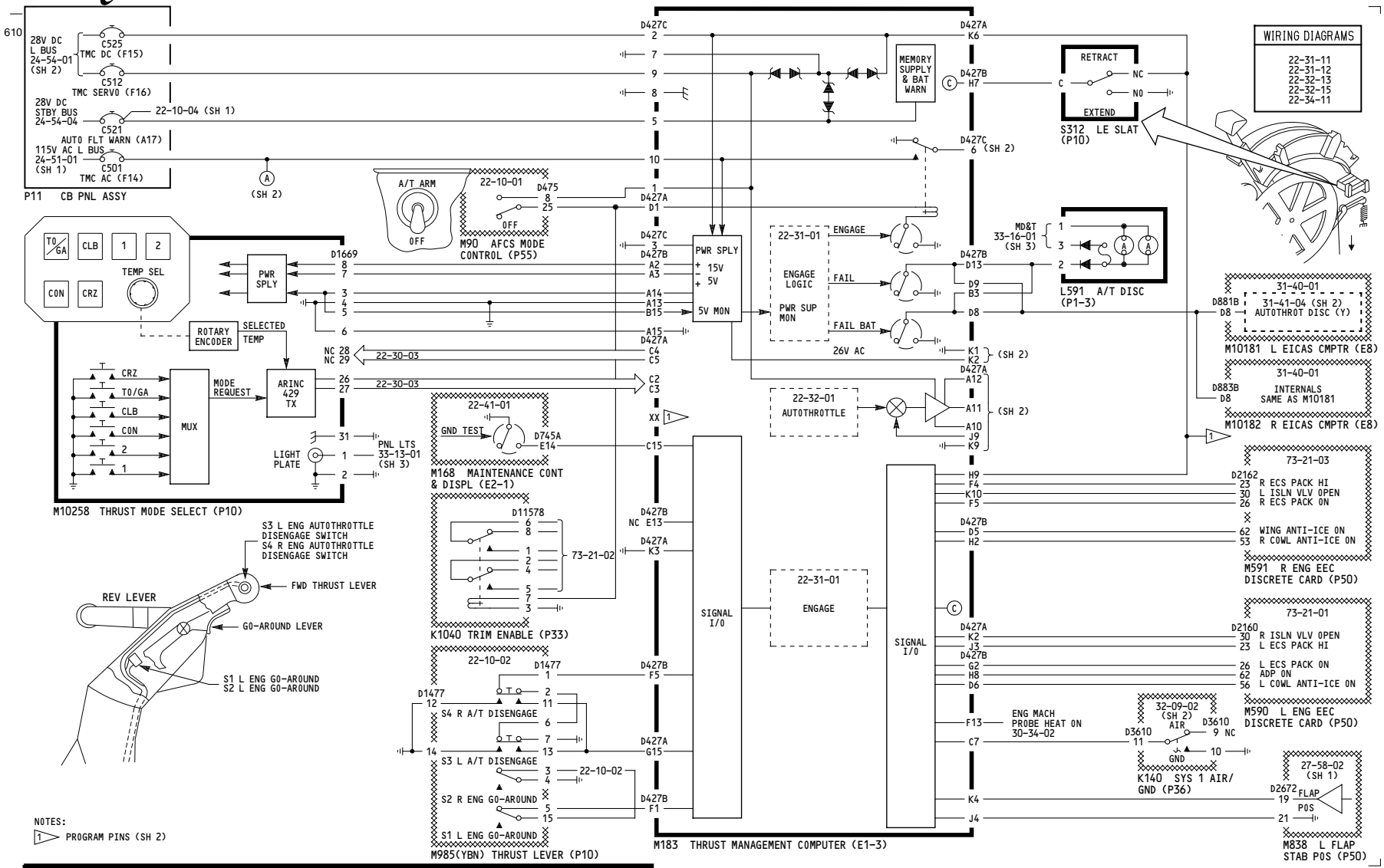

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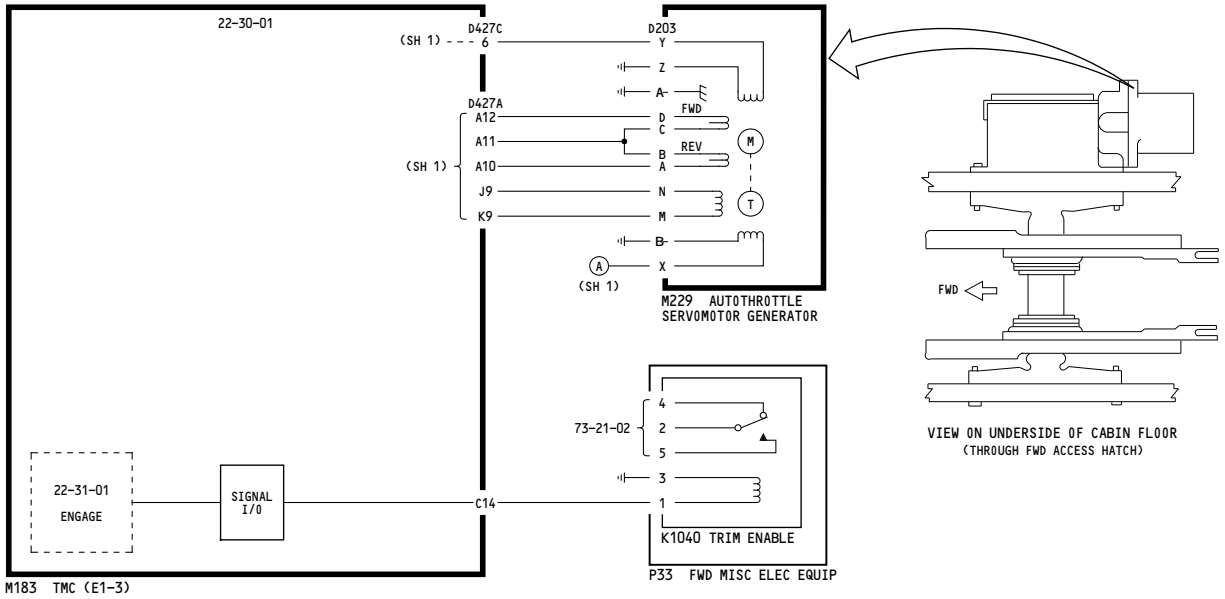

WIRING DIAGRAMS
22-31-11 22-32-14 22-33-11 22-34-11

PROGRAM PIN		PIN D427X	STATE	PROGRAM AS CONNECTED	CODE
		B E8	GND	TMC ENGINE TYPE	0
ENG PP	1	B D10	GND	PW-4060	**0**
	2	B F6	**GND**		0
	3	B G11	GND		0
	4	B C1	NC		1
	5	A E15	GND		0
THR LIM CUST OPT	1	A F7	28V DC	ALT RATINGS OR FIXED DERATES IN CLIMB ONLY	1
	2	A F9	28V DC		1
	3	A K5	28V DC		1
	4	B H10	28V DC		1
ENG & THRUST LIM PARITY		A D13	GND	ODD PARITY	0
A/T CUST OPT	1	A J10	28V DC	ACOPT 5 [1]	1
	2	A H6	28V DC		1
	3	A F3	GND		0
	4	A J12	GND		0
APL PP	1	B F2	GND	767-300ER 400K	0
	2	B F4	NC		1
	3	A B11	NC		1
	4	A E14	GND		0
A/T & APL PARITY		A H15	NC	ODD PARITY	1
CUST OPT	1	A D12	GND	PART TIME FAST SLOW	0
	2	A D10	GND		0
	3	A G8	NC		1
	4	A D11	GND		0
	5	A C11	GND		0
		B E10	GND	BAUD RATE	0
		B J1	GND	OS INTERRUPT SVC	0
		B E2	GND	OP INTERRUPT SVC	0

NOTES:
[1] ALLOW OVERRIDE OF VNAV MODES. ABOVE 400FT PROVIDE FLAP PLACARD PROTECTION AND CLIMB THRUST LIMITS WITH SELECTION OF AUTOTHROTTLE MODE.

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THRUST MANAGEMENT COMPUTER ANALOG INTERFACE

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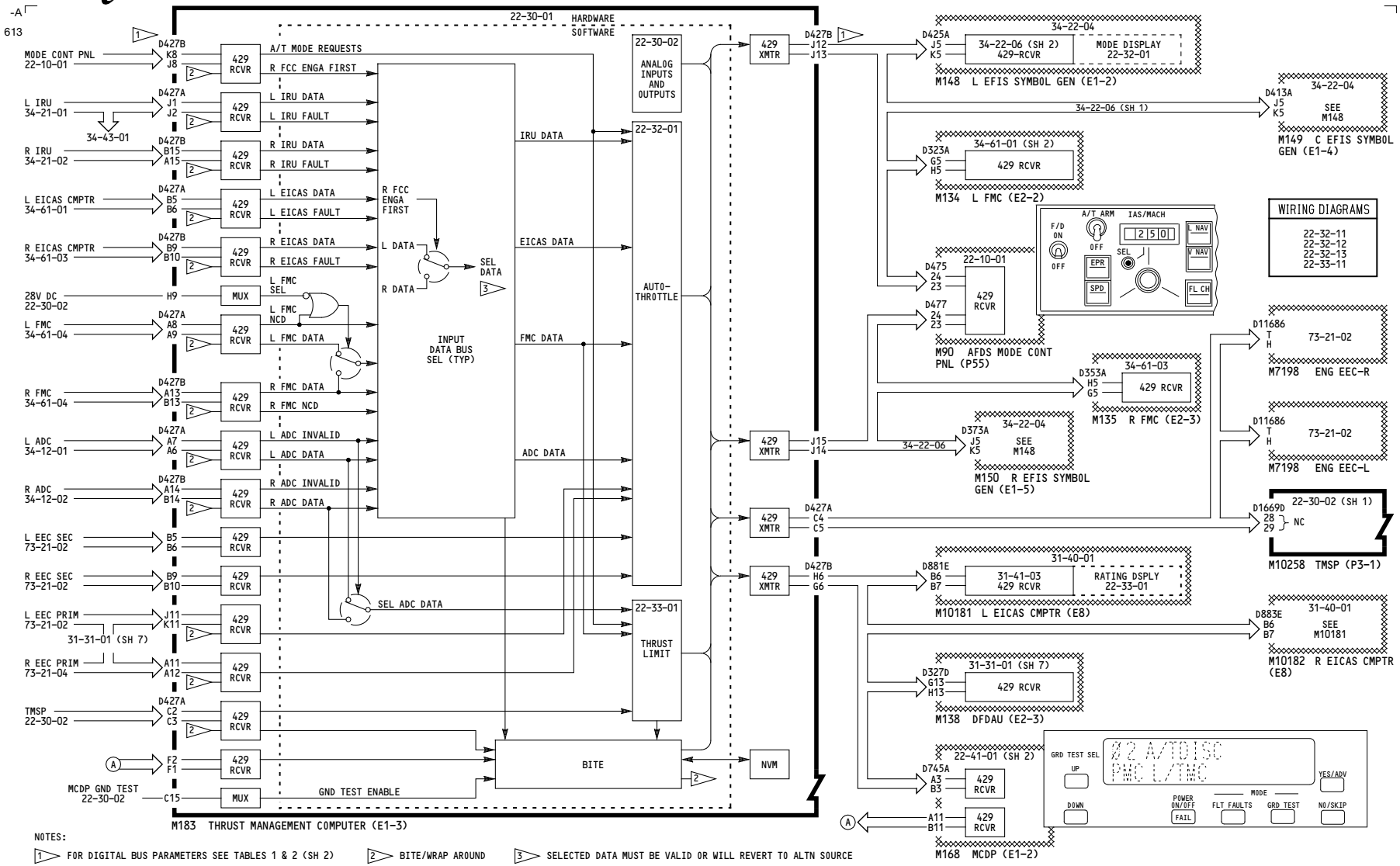

ALL

THRUST MANAGEMENT COMPUTER DIGITAL INPUTS AND OUTPUTS

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TABLE 1 INPUT PARAMETERS

SOURCE	SIGNAL
MODE CONT PNL	ALT SEL ELEV SPD CMD MACH SEL SPD BRK HDL POS SPD SEL STAB POS DISCRETES:- IAS/MACH SEL F/D ON-F/O F/D ON-CAPT SPD MODE REQ THRUST MODE REQ ALT HOLD REQ FL CH MODE OPER V/NAV MODE G/S MODE OPER THROT RETARD PITCH SPD CONT A/P CMD C ENGA A/P CMD L ENGA A/P CMD R ENGA V/S MODE OPER AFDS G/A OPER
IRU	NORM ACCEL PITCH RATE ROLL RATE YAW RATE XTK HRZ ACCEL FPAC GS INS ALT INS V/S PITCH ANGLE ROLL ANGLE TKA TRUE TRUE HDG DISCRETES:- ALIGN FAULT NO IRS INITIAL EXCESS MOTION ADC/IRU FAULT
FMC	ASSUMED TEMP EPR TARGET SEL MACH TARGET AS A/T MACH MODE REQ A/T A/S MODE REQ CLB MODE REQ CON MODE REQ CRZ MODE REQ G/A MODE REQ T/O MODE REQ A/T LOW GAIN ARM IDLE THRUST REQ THROTTLE DORMANT THRUST MODE REQ

SOURCE	SIGNAL
ADC	ALT (BARO 4) ALT (29,92) COMPUTED AS IMPACT PRESS IND AOA MACH MAX OPRTG SCHED SAT TAT TOTAL PRESS TAS DISCRETES:- P/S HT ON-L P/S HT ON-R TAT PROBE HT ON
EEC	EPR ACTUAL EPR CMD EPR IDLE EPR LIMIT N2 ACTUAL RESET PISTON POS TLA DISCRETES:- EEC OFF EEC FAIL
TMSP	DISCRETES:- TMS STATUS FAIL SEL TEMP BIT 0 SEL TEMP BIT 1 SEL TEMP BIT 2 SEL TEMP BIT 3 SEL TEMP BIT 4 RATING 1 REQ RATING 2 REQ CON MODE REQ TO/GA MODE REQ CRZ MODE REQ CLB MODE REQ
MCDP	TEST CONT 13 TEST CONT 14 TEST CONT 15 TEST CONT 16

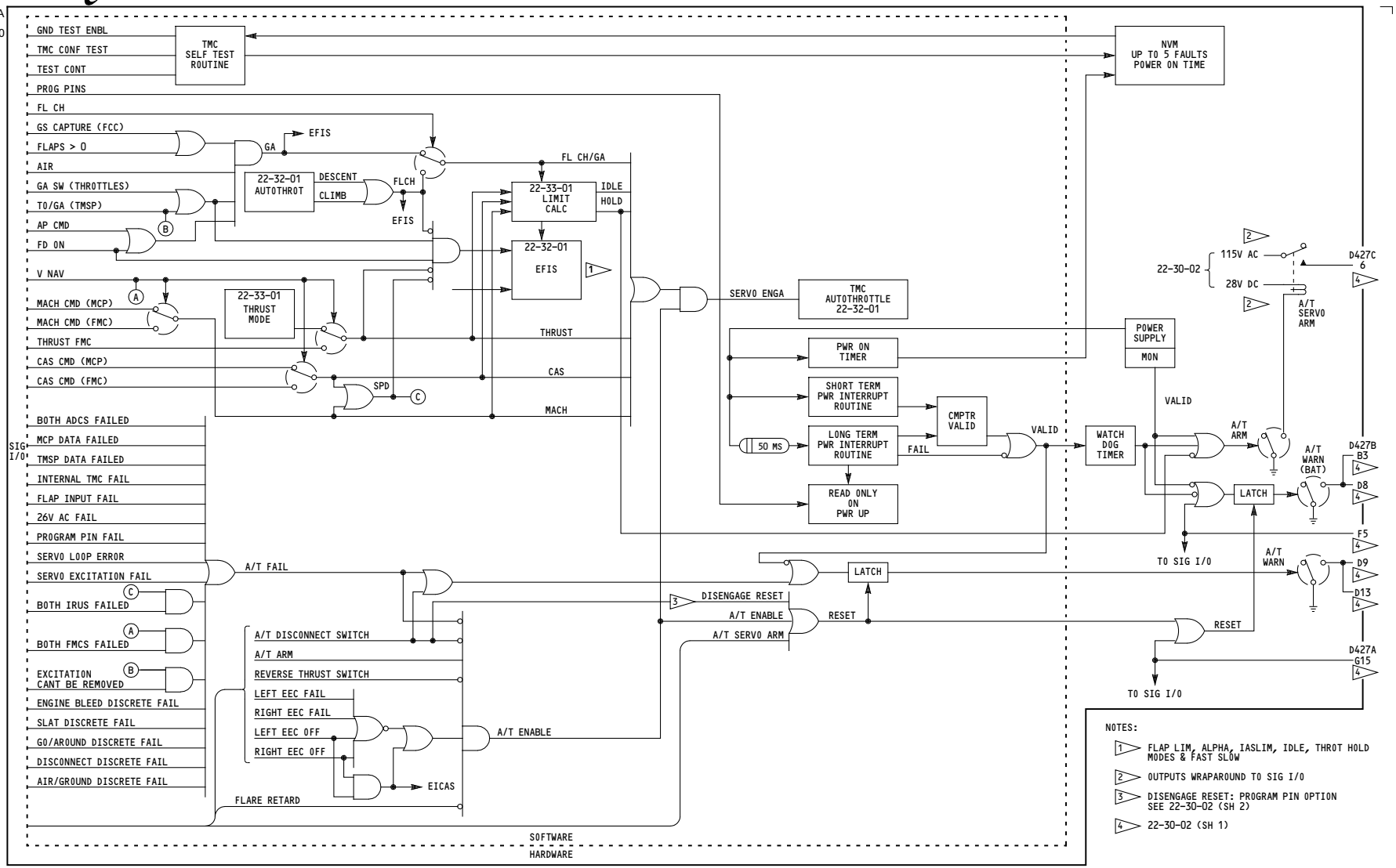
TABLE 2 OUTPUT PARAMETERS

DESTINATION	SIGNAL
EFIS SYMBOL GENERATOR	A/T FAST/SLOW CMD TMS FLT MODE ANN
FMC	TMS MODE STATUS ENG BLEED STATUS EPR ACTUAL - L EPR ACTUAL - R EPR REFERENCE FLAP POSITION TEMP SELECTED DISCRETE PARAMETERS 3
MODE CONT PNL (L & R BUS)	TMS MODE STATUS VERT SPD CMD
TMSP (NOT USED)	MAX LIMIT DISPLAY MODE DISPLAY REFERENCE DISPLAY TAT DISPLAY TEMP SELECTED TEST WORD
EICAS CMPTR	EPR ACTUAL - L EPR ACTUAL - R EPR BUG DRIVE - L EPR BUG DRIVE - R MAX EPR LIMIT EPR REF TAT TEMP SELECTED DISCRETE PARAMETERS 2 DISCRETE PARAMETERS 3
MCDP	FAULT DATA GND TEST DATA INTERFACE FAULT DATA
EEC	ADC ALTITUDE-L ADC ALTITUDE-R ADC CAS-L ADC CAS-R ADC IMPACT PRESS L ADC IMPACT PRESS R ADC MACH-L ADC MACH-R ADC STAT AIR TEMP-L ADC STAT AIR TEMP-R ADC TOT AIR TEMP-L ADC TOT AIR TEMP-R ADC TOT PRESS-L ADC TOT PRESS-R BLEED STATUS TRIM LEFT TRIM RIGHT

ALL

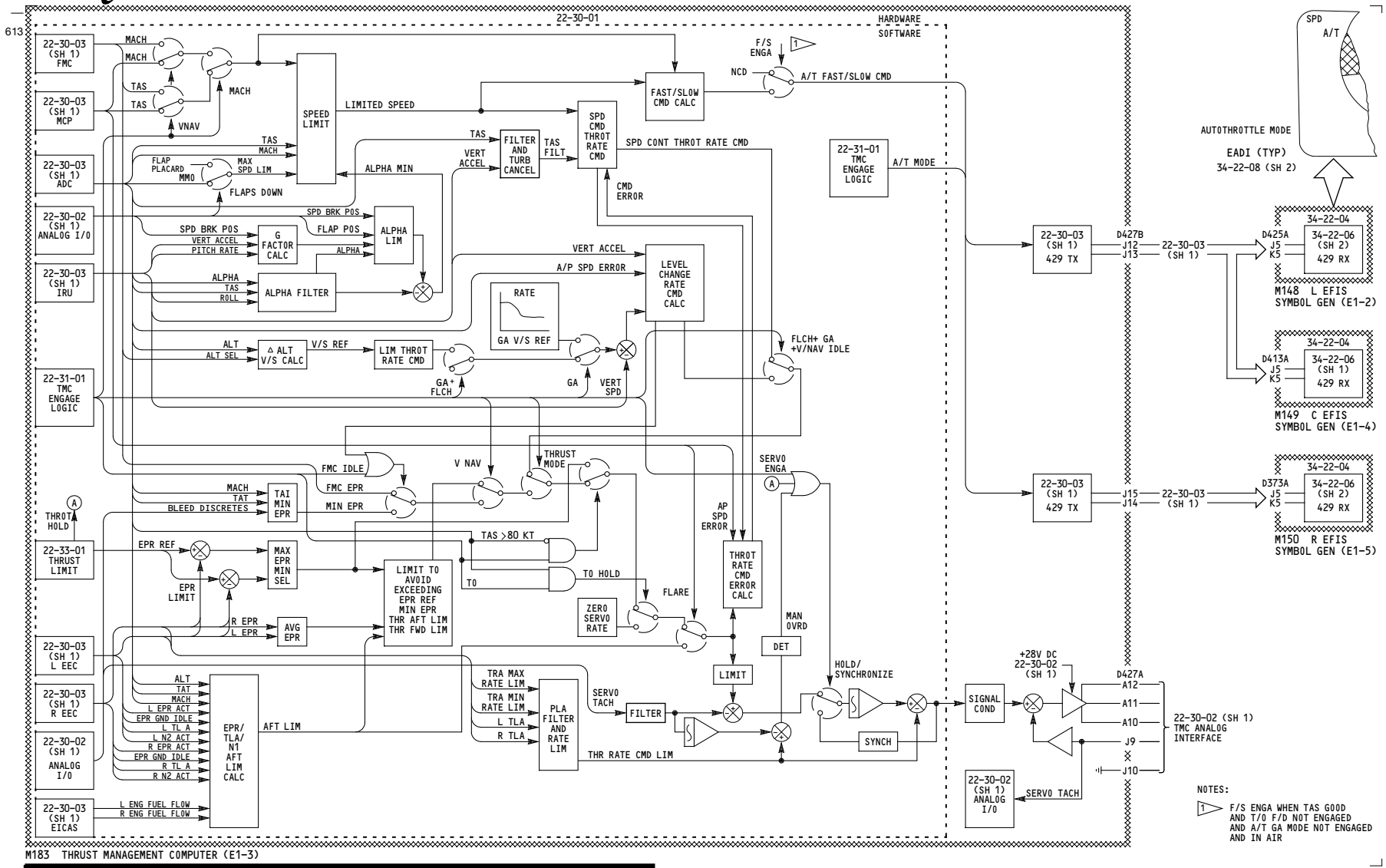
THRUST MANAGEMENT COMPUTER DIGITAL INPUTS AND OUTPUTS

D280T232



M183 TMC (E1-3)

ALL	**THRUST MANAGEMENT COMPUTER ENGAGE LOGIC** D280T232



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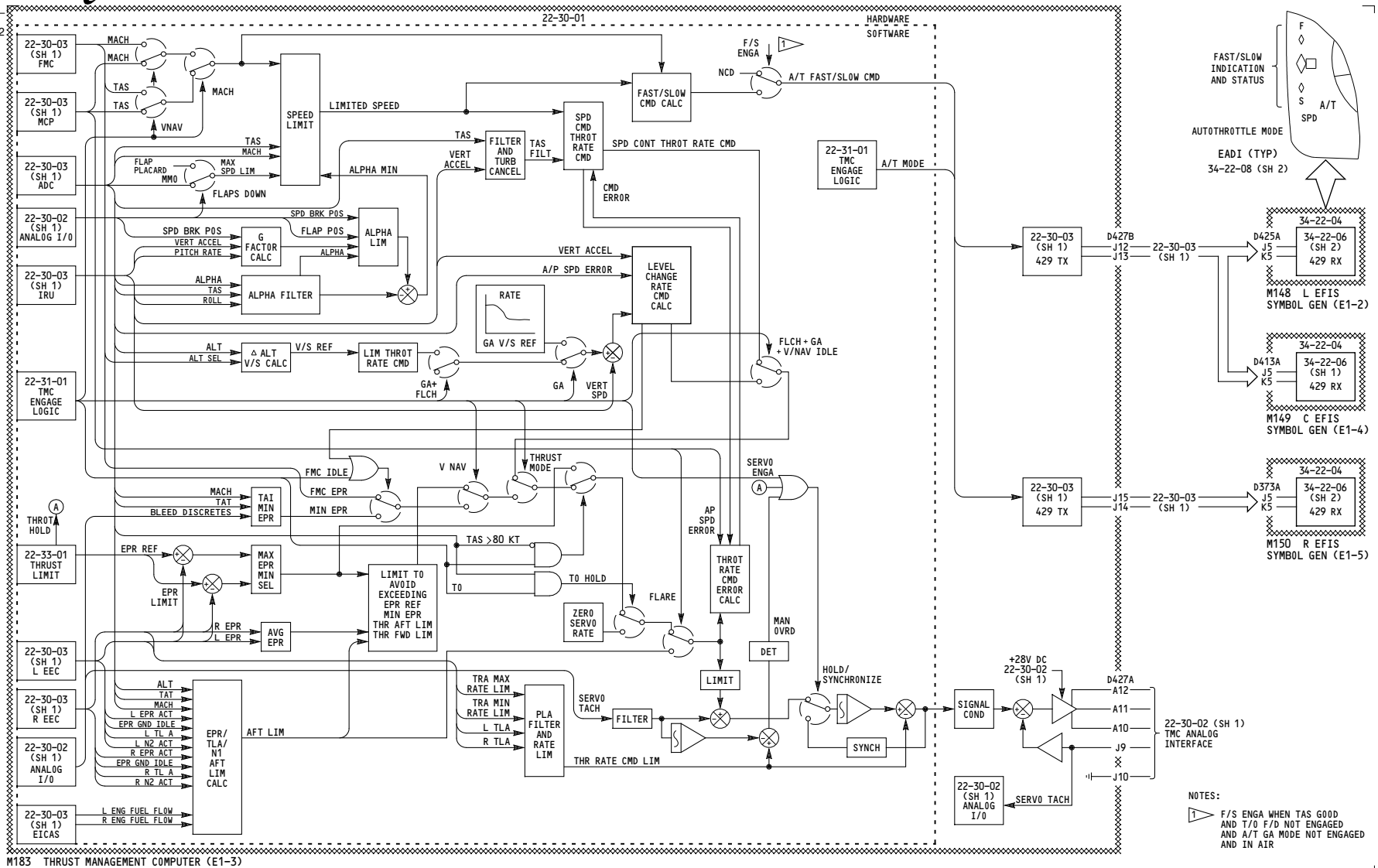
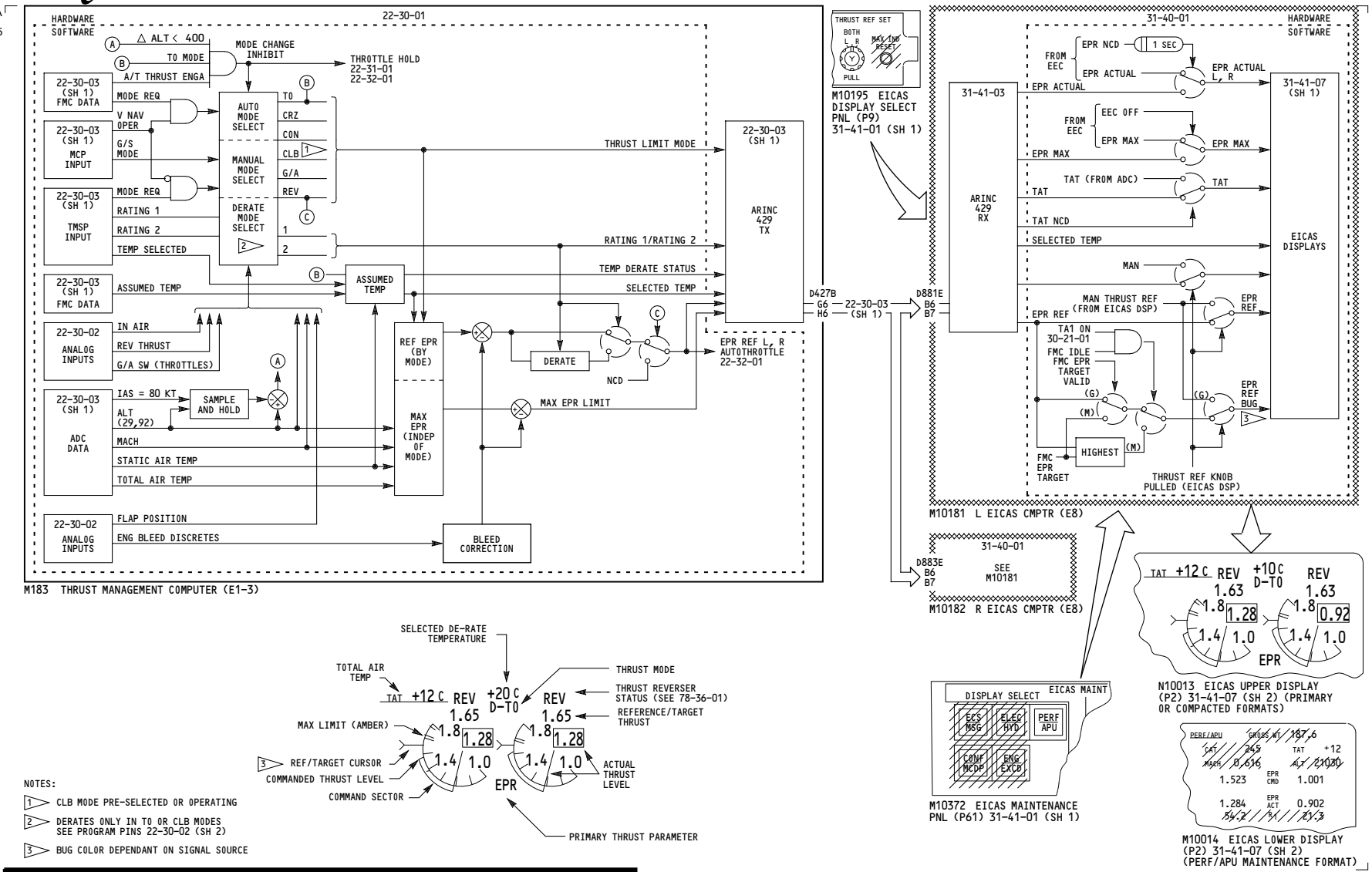




NOTES:

1. CLB MODE PRE-SELECTED OR OPERATING
2. DERATES ONLY IN T0 OR CLB MODES SEE PROGRAM PINS 22-30-02 (SH 2)
3. BUG COLOR DEPENDANT ON SIGNAL SOURCE

ALL

THRUST MANAGEMENT COMPUTER THRUST LIMIT

D280T232

22-33-01

TABLE 1 MCDP PROGRAM PINS

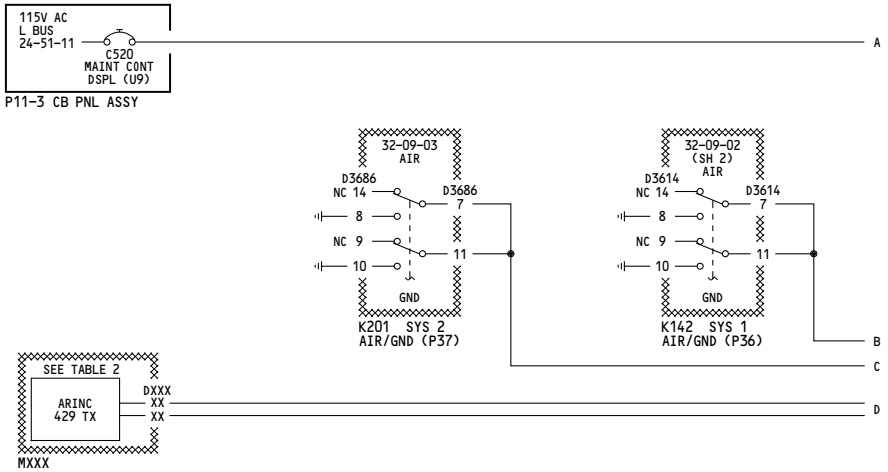
PROGRAM PINS (D745A) OPTION	GND	GNDD	OPTION AS CONNECTED
H11	H6		ADC SWITCHING
H12	J6		FMC SWITCHING
H13	G6		TMC A/P DISCONNECT
H14	K6	X	FMC FLT FAULTS REPORTING
H15	F6	X	MCDU/FMC SWITCHING
A12	A6		SINGLE FMC
B13	C6		DUAL FCC
C13	E6		} 767
C14	D6		
C15	C2		
A13	A2		PVD SYSTEM
B14	B6	X	PARITY

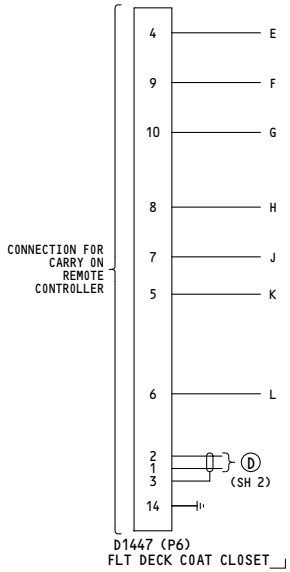
TABLE 2 DATA BUSES

SCHEMATIC REFERENCE	MODULE NUMBER	DESCRIPTION	SHELF	MODULE FAULT DATA BUS PINS	MCDP DATA BUS PINS (D745A) INPUT	MCDP DATA BUS PINS (D745A) OUTPUT	MODULE GND TEST CONT PINS	GND TEST ENABLE MCDP D745A	GND TEST ENABLE MODULE DXXX	
22-10-02	M139	L FCC	E1-3	D433B-C3 D433B-C4	A15 B15	A11 B11	D433A-A1 D433A-A2	C11	D433A-A3	1
22-10-04	M140	C FCC	E1-4	D421B-C3 D421B-C4	A1 B1	A10 B10	D421A-A1 D421A-A2	C10	D421A-A3	
22-10-03	M141	R FCC	E1-5	D381B-C3 D381B-C4	J1 K1	A9 B9	D381A-A1 D381A-A2	C9	D381A-A3	
22-30-03	M183	THRUST MGT COMPUTER	E1-3	D427B-H6 D427B-G6	A3 B3	A11 B11	D427A-F1 D427A-F2	E14	D427B-C15	1
34-61-02	M134	L FMC	E2-2	D323B-D7 D323B-E7	A4 B4	— —	— —	—	—	
34-61-04	M135	R FMC	E2-3	D353B-D7 D353B-E7	J4 K4	— —	— —	—	—	

NOTES:

1. M139 L FCC AND M183 TMC SHARE A COMMON GND TEST DATA BUS
2. FOR CONNECTIONS TO PROGRAM PINS, SEE TABLE 1
3. BITE/WRAPAROUND





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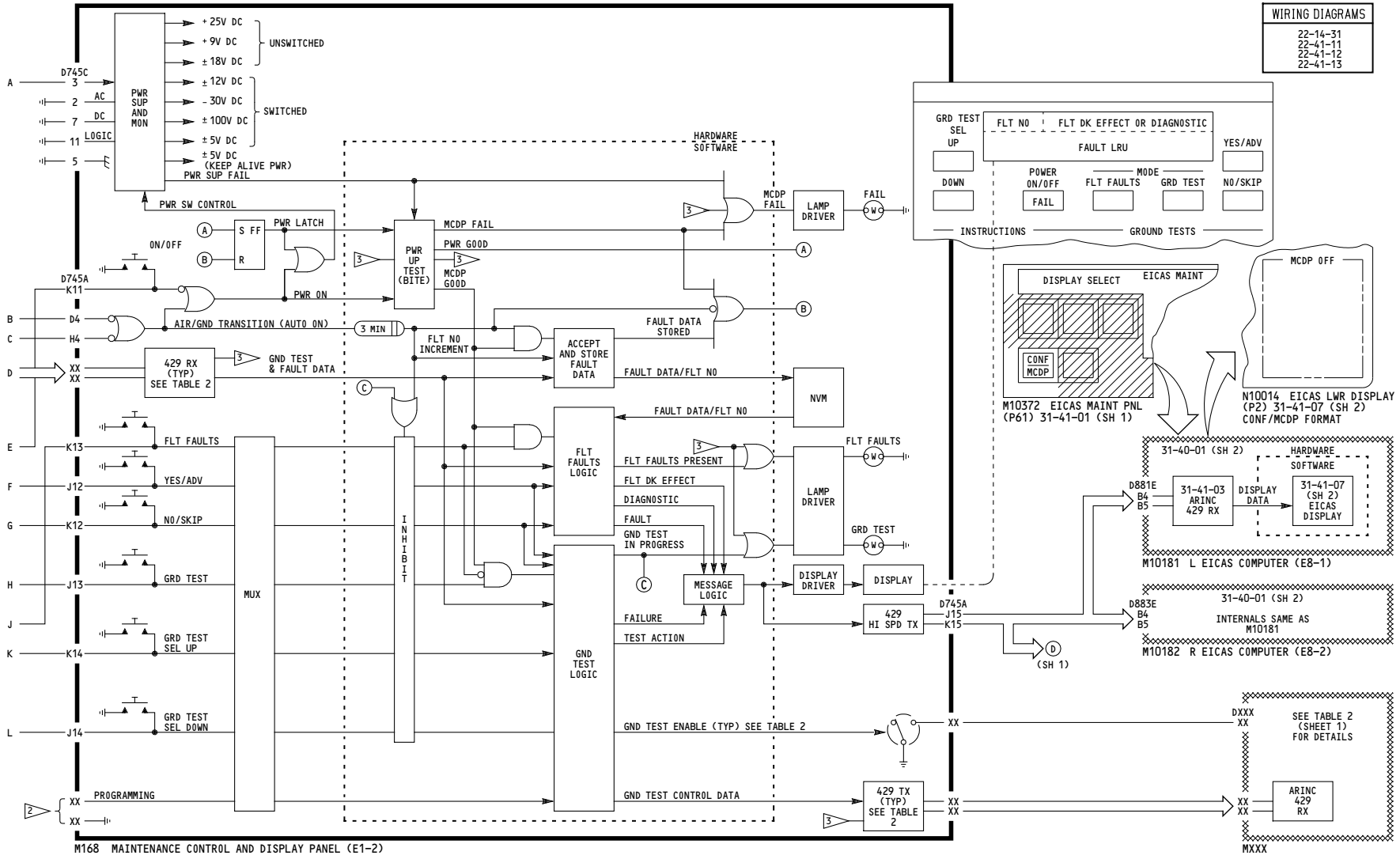

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MAINTENANCE CONTROL AND DISPLAY PANEL

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