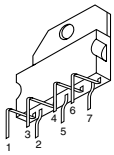


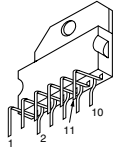
LIST OF ABBREVIATIONS - LISTE DES ABREVIATIONS - ABKÜRZUNGEN
LISTA DELLE ABBREVIAZIONI - LISTA DE ABREVIACIONES

● AQR_ON	DISABLE AQUISITION MODE REGUL. ENABLE PWM PULSE	● INF_POW_FAIL	POWER FAIL INFORMATION
● AUDIO_MUTE	MUTES AUDIO AMPLFIERS	● IR	INFRARED RECEIVER
● AV1_8	PIN_8 DETECTOR	● LED	LED DISPLAY
● AV_LINK	AV_LINK DATAS VCR/TV	● M_RES#	MAIN RESET SIGNAL
● AV_R_OUT	AUDIO RIGHT-OUT	● NMI	NON MASKABLE INTERRUPT
● AV_L_OUT	AUDIO LEFT-OUT	● PHI2_REF	PHI2 REFERENCE SIGNAL
● AV_R_IN	AUDIO RIGHT-IN	● PKS	PEAK SENSING
● AV_L_IN	AUDIO LEFT-IN	● PO	POWER ON
● AV_B	BLUE SIGNAL FROM AV	● PWM	PULSE WIDTH MODULATION
● AV_G	GREEN SIGNAL FROM AV	● RESET	RESET TO MICROPROCESSOR
● AV_R	RED SIGNAL FROM AV	● RF_CVBS	DEMODULATED TERRESTRIAL TUNER SIGNAL
● AV_C_IN	CHROMA-IN	● ROTATION	OUTPUT OF EARTH FIELD CORRECTION STAGE
● AV_FB	FAST BLANK SIGNAL FROM AV SCART	● R_OUT	RED SIGNAL TO VIDEO AMPLIFIER
● AV_Y_IN	VIDEO-IN	● R_TXT	RED SIGNAL OUTPUT (TEXT)
● BEAM_INFO	BEAM CURRENT INFORMATION	● SIF	SOUND IF OUTPUT
● BLKCURR	CUT OFF CURRENT	● SSC_V_GUARD	SAFETY DATA GENERATED BY THE VERTICAL AMPLIFIER TDA8177F
● B_TXT	BLUE SIGNAL OUTPUT (TEXT)	● +USYS	SYSTEM VOLTAGE
● B_OUT	BLUE SIGNAL TO VIDEO AMPLIFIER	● +/- UA	SOUND VOLTAGE
● BREATHING	COMPENSATE BREATHING PICTURE SIGNAL	● +UVERT	POSITIVE SUPPLY VERTICAL VOLTAGE
● BSVM	BEAM SCAN VELOCITY MODULATION	● -UVERT	NEGATIVE SUPPLY VERTICAL VOLTAGE
● CNT1_20V	SAFETY SIGNAL TO INSURE A GOOD CONNECTION BETWEEN SIGNAL BOARD AND POWER BOARD (BV001- BL111)	● +UVFB	POSITIVE SUPPLY VOLTAGE FOR VERTICAL POWER STAGE
● CNT2_20V	SAFETY SIGNAL TO INSURE A GOOD CONNECTION BETWEEN SIGNAL BOARD AND POWER BOARD (BP500- BP005)	● +UVIDEO	VIDEO VOLTAGE FOR THE CRT BOARD
● CRT	CATHODE RAY TUBE	● U_OUT	U TO VIDEO PART
● CVBS	VIDEO	● V_OUT	V TO VIDEO PART
● CVBS_TXT	TEXT VIDEO	● V_DRIVE	VERTICAL DEFLECTION DRIVE SIGNAL
● DEGAUSS	DEGAUSS SIGNAL	● Y_OUT	Y TO VIDEO PART
● DPC	DYNAMIC PHASE COMPENSATION SIGNAL	● +UVFB	POSITIVE SUPPLY VOLTAGE FOR VERTICAL POWER STAGE
● EFC	EARTH FIELD CORRECTION	● 1V8	SUPPLIES 1V81H / 1V82H POWER SUPPLY UP CONVERTER PART OF SIGNAL BOARD
● EHT	EXTREMELY HIGH TENSION	● 3V3	3V3 POWER SUPPLY UP CONVERTER PART OF SIGNAL BOARD
● EHT INFO	HORIZONTAL DEFLECTION PROTECTION	● 5 V_A / 5V_V	5V POWER SUPPLY SIGNAL BOARD
● E.W_DRIVE	EAST - WEST DRIVE SIGNAL	● 5V_STBYL / 5V_RP	MICROPROCESSOR SUPPLY VOLTAGE
● EW_PROT	SAFETY SIGNAL FROM DIODE MODULATOR	● 5V_STBY	5V STANDBY
● FB DETEC	FAST BLANKING DETECT	● 6 V	SUPPLIES THE 5V REGULATION AND 3V3 AND 1V8 REGULATORS ON THE SIGNAL BOARD.
● FB_TXT	FAST BLANKING (TEXT)	● 10 V	SUPPLIES THE 8V_V REGULATORS ON SIGNAL BOARD
● FW ADJ.	FULL WHITE ADJUSTMENT	● 8 V_V	8V SUPPLY SIGNAL BOARD
● G_OUT	GREEN SIGNAL TO VIDEO AMPLIFIER	● 7V_STBY	7V STANDBY
● G_TXT	GREEN SIGNAL OUTPUT (TEXT)	● 33V	SUPPLY VOLTAGE TUNER
● H_DRIVE	DRIVE SIGNAL FOR HORIZONTAL DEFLECTION	● 20V	SUPPLY VOLTAGE HORIZONTAL DRIVER AND BSVM CRT
● HEATER	HEATER OUTPUT FROM THE DST TO CRT		
● IIC-CL-1	I2C CLOCK BUS 1		
● IIC-CL-2	I2C CLOCK BUS 2		

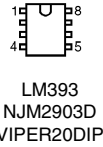
INTEGRATED CIRCUITS AND TRANSISTORS OUTLINE - CIRCUITS INTEGRES ET TRANSISTORS INTEGRIERTE SCHALTUNGEN UND TRANSISTOREN - CIRCUITI INTEGRATI TRANSISTOR - CIRCUITOS INTEGRADOS Y TRANSISTORES



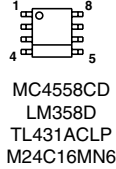
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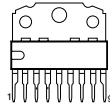
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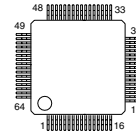
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VIPER20DIP



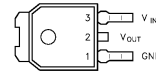
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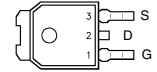
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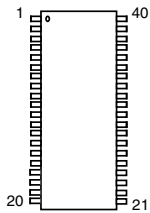
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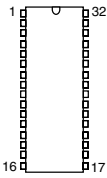
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LD1117DT18



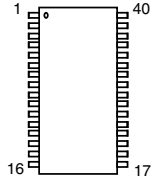
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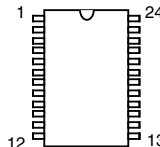
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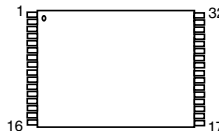
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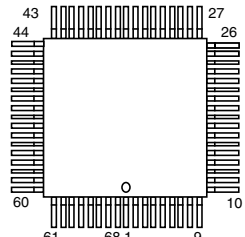
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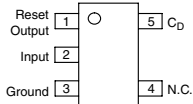
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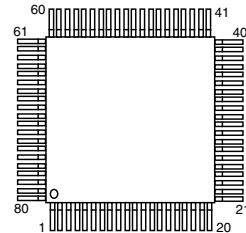
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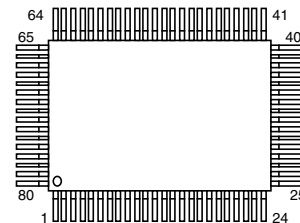
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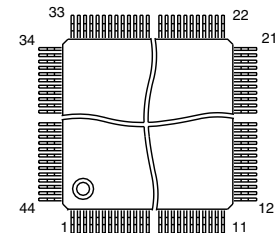
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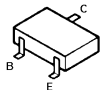
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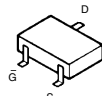
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TDA9330



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BC 848 A/B/C
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BSN20



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BC327
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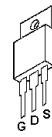
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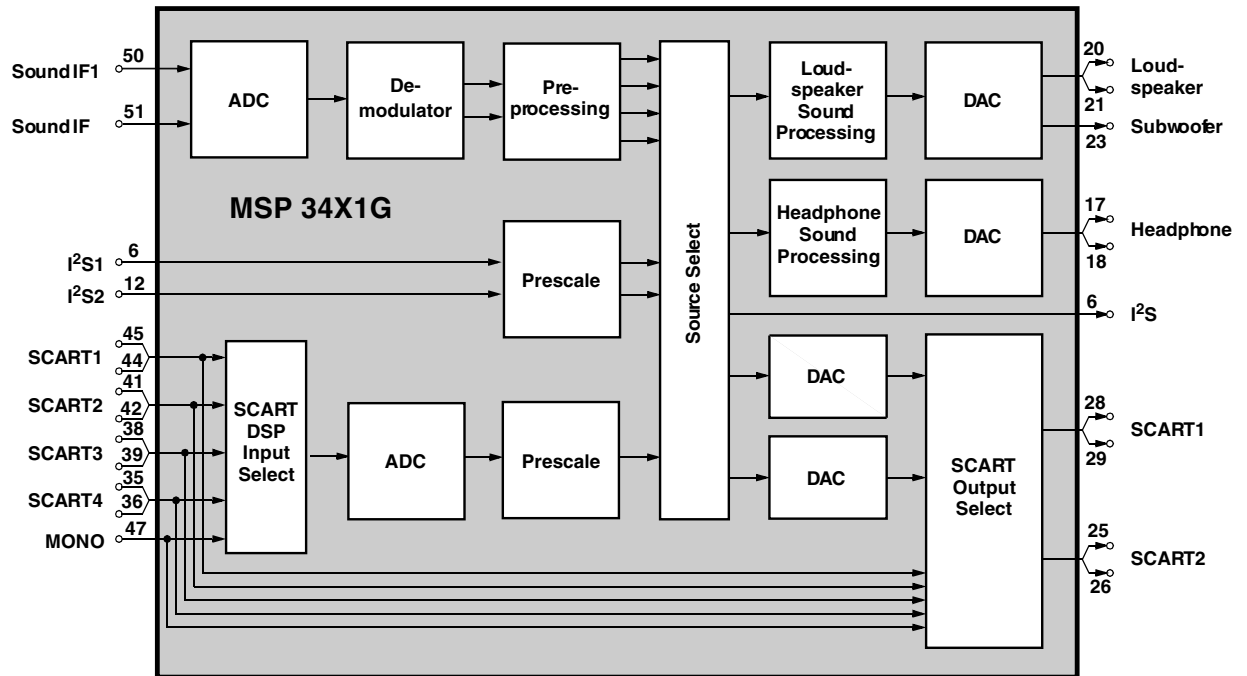
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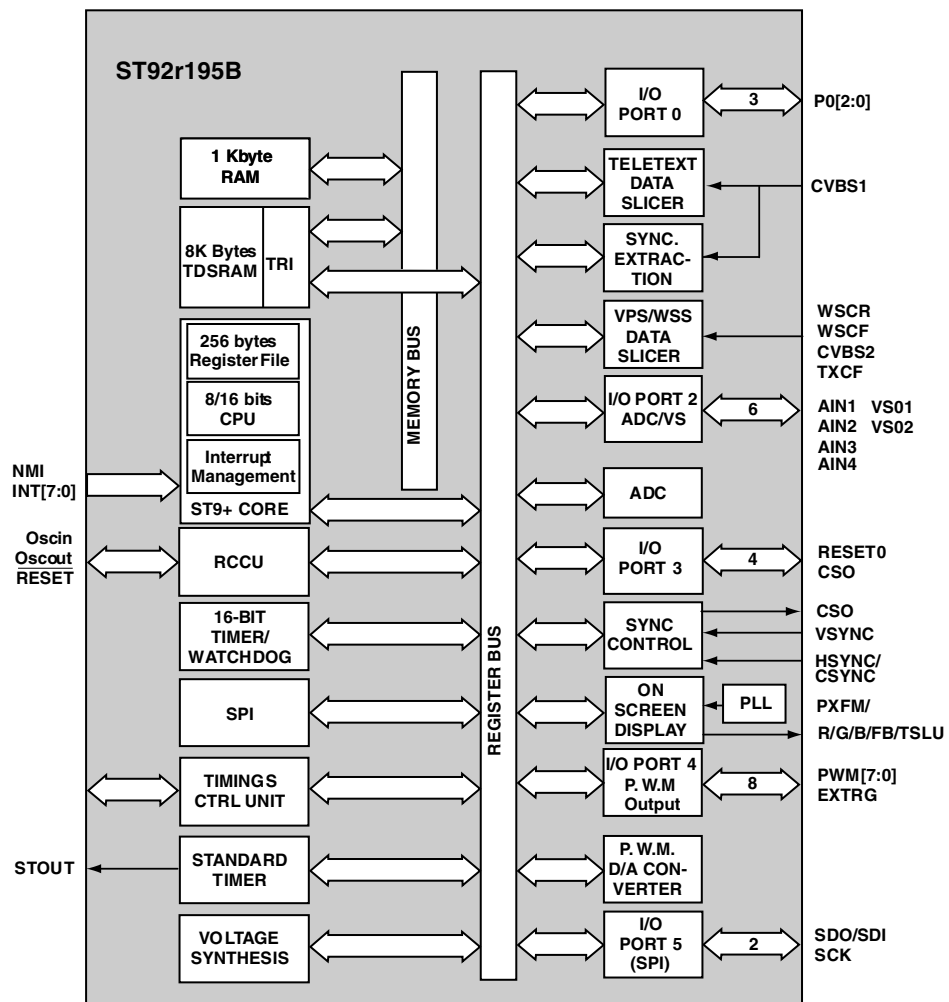
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INTEGRATED CIRCUITS BLOCK DIAGRAMS - SYNOPTIQUES INTERNES DES CIRCUITS
 INTEGRES - INTEGRIERTE SCHALTUNGEN BLOCKSCHALTBIlder - SCHEMA A
 BLOCCHI DEI CIRCUITI INTEGRATI - VISTA INTERNA DE LOS CIRCUITOS INTEGRADOS

IA001- MSP34X0 / X1G



IR001- ST92R195B





BROWN GOODS
REV 03 - 2000/02

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EACEM - SECTION CODES

COMMON	
ANT	ANTENNA SECTION
APR	SIGNAL PROCESSING (ANALOG)
BCH	BATTERY CHARGE
CLK	CLOCK/TIMER SECTION
CPA	COLOUR PROCESSING/ANALOG
CTR	CONTROL PANEL
DPR	SIGNAL PROCESSING (DIGITAL)
ERA	ERASE CIRCUIT
FLX	FLEXIBLE PRINTED CIRCUIT BOARD
HFS	HIGH FREQUENCY SECTION (RF)
IDS	INFORMATION DISPLAY SECTION
IFC	IF-CIRCUIT
ILN	i.LINK (IEEE1394) SECTION
INP	SIGNAL INPUT SECTION
IRD	INFRARED (IrDA) SECTION
MEM	MEMORY CIRCUIT
OUT	SIGNAL OUTPUT SECTION
PRG	PROGRAMMING SECTION
PRT	PROTECTION CIRCUIT
PSU	POWER SUPPLY
PWA	POWER AMP SECTION
REM	REMOTE CONTROL SECTION
RFU	BOOSTER,RF UNIT
SFT	SOFTWARE (TAPE, DISC, ETC.)
SNS	SENSOR UNIT
SVO	SERVO SECTION
SYS	SYSTEM CONTROL SECTION
TUN	TUNING SECTION
TXT	TEXT PROCESSING
SOUND-RELATED	
APA	AUDIO PROCESSING/ANALOG
APD	AUDIO PROCESSING/DIGITAL
CDC	CD CHANGER SECTION
CDS	CD SECTION
MDC	MD CHANGER SECTION
MDS	MINIDISC SECTION
MIC	MICROPHONE SECTION
PUD	PICK-UP DEVICE
SHD	STATIONARY HEAD(S)
SPK	SPEAKER
PICTURE-RELATED	
CAM	CAMERA CIRCUIT
CPD	COLOUR PROCESSING/DIGITAL
CRT	PICTURE TUBE
DFL	DEFLECTION CIRCUIT
DVD	DVD SECTION
FPK	FOCUS PACK
IMG	IMAGE DISPLAY UNIT

PICTURE-RELATED	
LCD	LCD SECTION
LMP	LAMP/FLASH SECTION
VPA	VIDEO PROCESSING/ANALOG
VPD	VIDEO PROCESSING/DIGITAL
VWF	VIEWFINDER
PC-RELATED	
FDD	FLOPPY DISC DRIVE
FMW	FIRMWARE
HDD	HARD DISC DRIVE
ISA	ISA SECTION
JST	JOYSTICK
KBD	KEYBOARD (SEPARATE)
MDM	MODEM SECTION
NIF	NETWORK INTERFACE
PAR	PARALLEL PORT
PCC	PC CARD
PCI	PCI SECTION
SCS	SCSI PORT
SER	SERIAL PORT
USB	USB PORT
MECHANICAL	
ARM	ARM MECHANISM
BZL	BEZEL
CBT	CABINET
CHA	CHASSIS
DDM	DISC DRIVE MECHANISM
EXC	EXTERNAL CONNECTOR
HCM	HEAD CARRIAGE MECHANISM
HOL	CASSETTE HOLDER
INC	INTERNAL CONNECTOR
LDG	LOADING MECHANISM
LMN	LENS MECHANISM
PFM	PAPER FEED MECHANISM
PIN	PINCH ROLLER/LEVER
PRI	PRINT BLOCK
RFM	RIBBON FEED MECHANISM
RHD	ROTARY HEAD(S)
SLD	SLED MECHANISM
SRS	SUPPLY REEL SECTION
STA	STATIC BLOCK
TDM	TAPE DRIVE MECHANISM
THR	THREADING MECHANISM
TNR	TENSION REGULATOR
TPT	TAPE PATH
TRS	TAKE-UP REEL SECTION
WIR	LEAD WIRE
XXX	CABINET/COSMETIC PARTS

DEFECT CODES			
MECHANICAL		ELECTRICAL	
A	WORN OUT (OR GENERAL MECHANICAL DEFECT)	N	DEFECTIVE ELECTRICAL COMPONENT/MODULE
A1	MISOPERATING	O	BURNT, ARCING, MISSING PIXELS
B	DIRTY, CLOGGED	P	ELECTRICALLY MISALIGNED/WRONG SETTING
C	MECHANICALLY MISALIGNED	Q	SHORT CIRCUIT
D	CUT, BROKEN	R	OPEN CIRCUIT
E	DEFORMED	S	LEAKING (ELECTRICAL)
F	SNAPPED	T	BAD CONTACT, CONNECTION
G	SCRATCHED, DENTED, SHARP EDGES	T1	BAD EARTH CONNECTION
H	CRACKED, PEELED, CORRODED, MELTED	U	OPEN PATTERN
I	LOOSE/OFF/STRIPPED	V	CRACKED PRINTED CIRCUIT BOARD
J	SHAKY, UNSTABLE	W	COLD OR NO SOLDERING
K	LEAKING (MECHANICAL)	X	BRIDGED SOLDERING
L	DRY (NO LUBRICANT)	Y	WRONG COMPONENT/MODULE
M	FOREIGN OBJECT	Z	MISSING COMPONENT/MODULE
		1	SOFTWARE PROBLEM
		11	LOSING DATA FROM MEMORY
		12	FAULTY PROGRAM SETTING/INSTALLATION
		13	SOFTWARE DEFECTIVE OR INCOMPLETE
		14	SOFTWARE SETUP PROBLEM
		15	NO IDENTIFICATION / AUTHENTICATION OF PRODUCT OR USER
		2	EXHAUSTED, LOW EMISSION
		3	NO PROBLEM FOUND (SET WITHIN SPEC)
		4	NO PROBLEM FOUND - CUSTOMER MISUNDERSTANDING
		5	NO PROBLEM FOUND - LOCAL CONDITIONS
		51	FAULTY MAINS VOLTAGE
		6	UNABLE TO DIAGNOSE FAULT
		7	INCORRECTLY WIRED/ASSEMBLED
		81	INCORRECT EQUIPMENT CONNECTION
		9	CUSTOMER MISUSE
		93	UNAUTHORISED MODIFICATION

REPAIR CODES	
A	REPLACEMENT
B	MECHANICAL ALIGNMENT
C	ELECTRICAL ALIGNMENT
D	RESOLDERING
D1	REFITTING, PUT BACK IN POSITION (CONNECTOR, TUBE...)
E	CLEANING
F	LUBRICATION
G	REPAIRED ELECTRICAL PARTS
H	REPAIRED MECHANICAL PARTS
I	MODIFICATION REQUESTED BY MANUFACTURER
J	REMOVED
K	ADDED
L	FUNCTIONAL CHECK
M	SPECIFICATION MEASUREMENT
N	MAINTENANCE
O	REFURBISHING, RECONDITIONING
P	PREVENTIVE PARTS REPLACEMENT
Q	PREVENTIVE ACTION WITHOUT PARTS REPLACEMENT
U	EXPLANATION FOR CUSTOMER
V	COST ESTIMATION REFUSED
W	COST ESTIMATION WITH PARTS
X	COST ESTIMATION WITHOUT PARTS
Y	RETURN WITHOUT REPAIR
Z	PRODUCT EXCHANGE
Z1	PRODUCT EXCHANGE (REPAIR TOO EXPENSIVE)
Z2	PRODUCT EXCHANGE (TOO MANY VISITS/REPAIRS)
Z3	PRODUCT EXCHANGE (PARTS NOT AVAILABLE)
Z4	PRODUCT EXCHANGE (IMPOSSIBLE TO REPAIR)
Z5	PRODUCT EXCHANGE (ON REQUEST OF RETAILER)
Z6	PRODUCT EXCHANGE (ON REQUEST OF MANUFACTURER)
1	SOFTWARE CORRECTION/RESET
2	SOFTWARE UPGRADE
3	PRODUCT UPGRADE (ON REQUEST)

EXAMPLE OF USE:

FLAG	SYMPTOM CODE	PART NO.	REF. NO.	SECTION	PCB	DEFECT CODE	REPAIR CODE	QTY
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.	3 6 4 1	3 4 5 6 7 8 9 X X X X X X X X	1 1 1					

FLAG: INDICATES THE ONE MAJOR SYMPTOM/PART COMBINATION BY '1'